# CONSTRUCTION OF GARRISON DAM 1959

## Fei lizer Plant. Will Employ 200

Tribune Staff Writer RALE Fertilizer sales of the Northy Dakota, Angogen Company's proposed plant here Company's proposed plant here will fotal 175,000 tons annually, an official of a Cincinnati, Ohio, firm which it involved in the United States in the last seve Dennise and represent of the United States in the United

-Harry Dennis, assistant vio the president of Coordinating and Indus-trial Corporation of Cincinnati and rector constanteting, made the statement in a talk to the Riverdale post, Age is in Society of Military Engineers

and participated in the discussion. operation there. Also attending the meeting was "The gas from the North Dakota Crdale on a given day'r in the gas from the North Dakota Dannie was introduced." L. L: "To Municipal the Bis- lignite was about 33 per cent betmarck office of North Dakota Nister than that from any coal now
trogen.

being used in Europe," he said.

HE SAID IN WILL take approxistruction of the entire plant but land phosphorus from imported Riverdale High School graduate that it would be possible to begin rock, plus potash, to make a high who will study special production of the entire plant but land phosphorus from imported Riverdale High School graduate production of the entire plant but land phosphorus from make a high who will study special production of the entire plant but land phosphorus from the lightle a \$100 college scholarship for a struction of the entire plant but land phosphorus from imported Riverdale High School graduate production earlie Piby buying quality fertilizer. amonia until the amonia producing section of the plant has been completed.

Dennis reported that North Dakota Nitrogen Co. will import a professional management team" o operate the Riverdale factory. Any announcement of the name of the permanent new president of thé company will be madé Monday, Dennis said.

THE PLANT will employ about 200 men after it is in production and the employment peak during construction will be about 700 to · in Indigai.

Dennis said that in recent years the sale of fertilizer has grown by leaps and bounds and that North Dakota now is "the only yold" in the United States without an integrated agricultural chemical manufactifiers plant There is one leaps and bounds and that North Dakota now is "the only yold" in

plant-was-started about 21/2-years nite could be used to develop an ago, said Dennis. Seven possible integrated, chemical producer, gotrial Corporation of Cincinnati and their international company's dister were studied and narrowed ing from process to process to get down to three with Riverdale as new chemicals. Figure cample, a rector correction made the the Number 1 selection the Number 1 selection.

THE SECOND choice, would use solvents. crude oil instead of lignite as the Dennis said it is hoped that final base material and the third would site negotiations can be completed use a combination of crude oil and to permit construction of the plant gas.

to begin this spring. Dennis said that several tons C. H. Ashlee, chemical engineer of lignite from Riverdale were

It will take nitrogen from the president, presided. air and hydrogen from the lignite a \$100 college scholarship for a

There is a good possibility. Dennis said, that stronger mixtures of fertilizer will be produced, plus some other products.

Dennis held out a hope for the ultimate greater use of lignite as an industrial chemical.

"I feel that in the next five to 10 years, coal-and not necessarily lignite-will come into its own for process work," he said.

THE RIVERDALE plant would use about 200,000 tons of lignite a year. It may be able to depend upon the lignite stockpiled there for eight years, depending upon whether that lignite is used only for processing or is used also for power, after which it will buy about

manufacturing plant! There is one limite water and air as its major

Riverdale could enter the field of

FREIGHT SHIPMENTS in and out of Riverdale will be vost when the plant is in full operation.

They will run itouan estimated 170,000 tone of nut-shipment a year with Chemical and Industrial Cor-sent to Germany where they were and 70.6002thns lofe in-shipment. In poration, was here with Dennis used in chemical plants, now in peak periodeling to 200 boxcars could be moving incahd out of Riv-

Dennis was introduced by Col. Lynn W. Pine, post program chairman, and Erick Erickson, post

The members voted to establish science.

A. A. Mayer, president of the Bismarck Chamber of Commerce, was among guests introduced.

### Worker On Dam Power Plant

GARRISON-John Freeman, an employe of P. S. Lord, mechanical contractors on a Garrison dam power plant job, is being treated in the Garrison Confidunity Hospital for injuries received in a fall (1977)

Freeman was working on the scroll case assembly when in two

Nitrocen Company

Bi smarck Tribabe 1-26-59

A New York stlines executive until 19:2, when he joined the U.S. has, been manded president of armed forces.

North Dakota Nitrogen Co. in was Upon release from the service in announced Monday.

He is George C. Van Nostrand

American Airlines and since 1954

of New York City. ...

Van Nostrand's election was announced by Tom Kleppe of Bismarck, it in member of the company's field of directors and its first breather.

The resides now in Greenwich, Conn., with his wife and son. Mrs. Van Nostrand is the former Elsie Sykora of Maple Lake, Minn. Their

He will move to Bismarck during son, Clark, is 12 years of age. February to take charge of the North Dakota Nitrogen has been

field. Iowa, and after attending 1,000 acres of land. The lignite Grinnel College and the University will be the principal raw material of Iowa, practiced law in Fairfield for the fertilizer.

He is George C. Van Nostrand American Airlines and since 1954 has been vice president of properties and facilities, with offices in

company's operations. North Da-kota Nitro is planning to build an agricult of chemical plant, for the manuscrure of fertilizer, at Riverdale Van Nostrand was born in Fair-facilities there, including about

### N.D. Group To Seek Mississippi Valley Backing Of Diversion Unit

sippi Valley Assn.

between downstream and upstream interests in the basin. At the association meeting a year ago a downstream group defeated a resolution of endorsement for the proj-

In the North Dakota delegation

A delegation of North Dakotans-|will be AbMatchristensehi Minot: with a mission-will leave Satur-land Wilham Corwing Fargo, repday for St. Louis, Mo., to attend rescribing the North Dakota Water, a 3-day convention of the Missis-Conservation commission. Mayor Maurice Hatflugton, Missis-Maurice Hatflugton, Missis-Hensippi Valley Assn.

The group will back the passage by the association of a resolution adopted by a special committee of the MVA at a meeting in Sioux City, Ia., in November which endorsed the Garrison Diversion project and urged its authorization by Congress.

The committee which drew the resolution was appointed by Charles Danforth, Yankton, S.D., Mississippi Valley Assn. president, in an effort to resolve differences between downstream and upstream

rock a year and the produce prilled ammonium nitrate, produce prilled ammonium nitrate, continuousiy 24 hours a day, seven days a week, 350 days a THE PHOSPHATE ROCK probyear. Dennis said.

ing purposes and will be returned and Esterhazy vicinities in Canto the river as clean as when it ada.

was removed for longing.

The Cincinnati corporation is engineering and economic consultant to North Dakota Nitrogen and is the only company "solely devoted to this particular phase of the haricultural chemical indistry.

ed by Dennis, will be basically a nitrogen plant, employing processes which have been in use, in Germany and elsewhere in Elitope for years to produce nitrogenous fertilizer from lignite, and other substances.

Water and electric power are extremely important to the process, said Dennis. The plant will use amonia is used with intric acid to produce produce

ably will be shipped in from westyear, Derfil's said.

To illustrate the amount of crn U. S. phosphate regions for water it will require, he said its example those in Utah and Idaho, water demands will be equal to Phosphotic acid probably will be or exceed those of the entire pop-purchased in small amounts from ulation of North Dakota today. A Idaho, Utah or Illinois, and brought 30-inch pipe ritining full constant in liquid form in tank cars for the ly will carry water to the plant time begin. Muriate of potash may be obtained from new mines.

MOST OF THE water is for cool-opened recently in the Saskatoon line supposes and will be returned and better to be saskatoon. ternal injuries in his fall; I and some broken ribs." in value till-

The morning report on him at the hospital said his condition is improving and his, recovery indicated. totil in a

## U.S. Pays \$21,495,085 For Property Lost To Reservoir

RIVERDALE — With the relocation relocation category were value of mineral rights of ion and land acquisition programs for Garrison dam and reservoir Elbowoods and their reestablish now virtually complete, a total of the program and total of the country for the U. S. government through the U. S. government through the Garrison District Corps of Engineers.

The program included acquisition of land, facilities moving of fam-

RIVERDALE — With the relocal in the relocation category were value of mineral rights.

of land, facilities, moving of fam-counties was acquired after the dis-Mountrail tiles and relocation of facilities that covery of oil, adding to the cost Williams had to be moved.

**3,997,028** 51.652 4,268,909 462,898 .: \$21,495,085

## ole Pent Cont

### Calls For Work

### To Be Completed By Dec. 31, 1960

BY DAN HALLIGAN

Williston's long-sought water plant was officially realized this morning after 14 years of planning, negotiating, arguing, wishful thinking and verbal fireworks.

The 1944 beginning was culminated shortly after 9 o'clock this morning at city hall when Commission President Alec Rawitscher, Assistant City Auditor May Bell and ColoiLynn W. Pine, commanding officer of the Garrison District, Army Corps of Engineers, signed a federal government-city contract authorizing the payment of \$1,300,000 to Williston in cash, materials and labor for the new system.

Both sides expressed extreme pleasure that the long years of negotiations had ended and work on the project would begin this spring.

However, historic as the contract signing was, Williston residents still face two more summers of using on oc-

casion discolored and strongsmelling water and possibly water rationing. The contract for the water plant calls for completion no later than Dec. 31, 1960.

The contract signing was done at a continuation of the recessed meeting from Wednesday night



uity to a similar blamed drinking for

1911 Jun Bit Willston Herald Photo

IT'S FINALLY and the will have clear water and as much as each resident reasonably wants to use no later than Dech 31, 1960 rafter the city commission signed an contract this morning officially accepting \$1,300,000 from the Army Corps of Engineers. The money will come in cash, materials and labor, Commission President Alec Rawitscher is shown signing for the sity while Col. Lynn W. Pine signed for the Army Corps of Engineers. Looking on, left to right, are Comissioners Harry England, Bob Falstad, Les Lohse and Carl Albers.

The regularly scheduled Tuesday night! infecting was delayed 24 hours in order that the entire commission board could meet with Col. Pine and his stall, and consulting engineers, for wid Burdick and Willard Webster of the Burdick and within the provent Col. Pine sate burdens within two to four weeks. The thin approval would sate the City will now confer with the the contract the City will now confer with the Willard and the Corps branch in Willard and the Corps burden meetings to the project will begin this spring with the calling of bids for all new garbage during east of Willston. The city will receive \$38,000 for payment to bills for the building and lend that will be on the property! More than half of the money will be used to buy a tractor. After completion of the work the city will receive a \$73,000 cash payment for operating costs at the dump for the next 25 years.

Bids will also be asked for by the city for the sewage lift station which will be built west of the present dump grounds. The government will give \$73,000 for construction of the lagons and pipe to the pumping station. When, that work is complete and the unit is operating the city little given \$50,000 for 25-yenglic stating expenses. The plant intake system, grit chariter, presedimentation basin pumping station and force main for which \$994,000 will be paid out by the given ment for construction expenses incurred during the periods of work or the foregoing installations can be built for less than \$994,000; the payment will be less fitter, the plant is in operation, the chariter the plant is in operation, the chariter the plant is in operation, the chariter the plant is in operation, the

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### Reclamation Utticial Says Conservancy istrict | eded For Oahe Irrigation Job | Fargo Forum 1-14-59 for land | land the Bad River and only | complexity of the Oahe irrigation reacher the state | A small amount of new land | A sma

rted in the west. But, he said, rigation."

ts remaining to be built in the voir."

Costly investigation has been unway on feasibility of the proj-Pand a final report is due in summer of 1960 that will tell mers within close limits what struction, operation and mainance costs would be. Local inest will decide whether the elect will be built, he stressed... The magnitude of the project will quire it be constructed in seval stages over a considerable

riod of time, Dexheimer said. ater supply works would have to

at would be organized: Here, he said, is where a conrvancy district would come in to

rry financing.\(\frac{1}{2}\)
He referred to the Garrison Dirsion Conservancy District in orth Dakota as a model.

rrently being developed, Deximer said small pumping units feet mean seal level. lopable to provide a reliable ed base for livestock herds and

rict to make it workable, says
S. Reclamation Commissioner

A. Deshelmer.

Traced South Dakota reclamative traced South Dakota reclamation at the keylichted and the state of the state, he said:

The Angostura unit is a development of the state of the state, he said:

The Angostura unit is a development of the state te Reclamation Assn. as having to the availability of water for ir-South Dakota gaining only 12.9

now reaching the point where the per cent. gely in the cast.

now reaching the point where the per cent.

now reaching the point where the per cent.

The Oahe project, he said, is one evidence may support a decision. This, he said, meant an indicate the per cent.

The Oahe project, he said, is one evidence the per cent.

The Oahe project, he said, is one evidence the per cent.

The Oahe project, he said, is one evidence the per cent. the largest potential irrigation to irrigate from Shadewell Reser-ed loss of many of the state's

There is no feasible development your state."

per cent in population by 1975 comure development must come Dexheimer said "we are just pared to a national increase of 35

young people to other states.

But he called the outlook frankly It could be countered by renot too good for development west clamation he said, in that "you of the Missouri beyond projects have one of the nation's most valunow under way or completed. able resources flowing through

### Missouri River Dams Ser Power Production Records

stem dams on the Missouri river ity, had a net storage loss of 42,000 set records for the month of De- acre feet. ater supply works would have to set records for the month of De-built larger than needed to comber and for the year 1938, the month by all the main stem dams reithe first irrigation districts Missouri River Reservoir Control came to 213 million kilowatt-hours,

In a review of reclamation work front to a real elevation of 1.3 efficiently served downstream refeet to a pool elevation of 1793.5 quirements. A 28 percent increase

Power production at the main|million kilowatt-hours of electric-

Center at Omaha, Neb., reported 28 per cent greater than the Detoday.

Center at Omana, Neb., reported cember, 1957, production.

Garrison set the pace in power while the year produced no flood production in Decomper; with 93 control demands upon the resermillion kilowati-floury bit also sufvoirs one of their primary functions—power production—increased a net loss of 234,000 acres feet, substantially and flow regulations of the reservoir flower is a control of the reservoir flower in the reservoir flower is a control of the reservoir flower in the reservoir flower is a control of the reservoir flower in the reservoir flower is a control of the reservoir flower in the reservoir flower is a control of the reservoir flower in the reservoir flower is a control of the reservoir flower in the in power production was recorded ong the Missouri River are de- Fort Peck, which produced 50 at the four hydro power plants in the month of December over December 1957.

This December power step-up followed the general pattern of the entire year. Total system generátion for the year was 3.554 million kilowatt hours-17 percent higher than for the calendar year

A special feature of the December reservoir operating procedure involved temporary increases in flow releases at the Gavins Point Dam to offset low river flows caused by severe cold weather and ISMARCK (A) State engi
Water Commission and the Gov
resulting river ice blocks. Releases

at Gavins Point had been held at
the word from Washington is
has been scheduled Jan. 16 in

Description of the Fundant will Dexheimer Offers Garrison
As Model For Oahe Pro. Ct.

PIERRE, S. D. (AP)—The size several stages lover, a consideraand complexity of the Oahe irrible period of time; Desheimer

The magnitude of the project

PIERRE, S. D. (AP)—The size several stages; lover, a consideration project calls for al conservation project to make it work and the said. Water supply, works would have to be built plagef than needed to serve the first irrigation districts that would be organized. The traced South Dakota reclaim needed to serve the first irrigation districts that would be organized. The traced South Dakota reclaim needed to serve the first irrigation districts that would be organized. The said strain districts that would be organized to district the first irrigation districts that would be serve the first irrigation districts that would be organized. The project has a stage of the first irrigation districts that would be a stage of the project will be built, he stressed. The magnitude of the project will be built, he stressed.

uniti tiring wat stoll ber 13 hable, bit The magnitude of the project might he a good pilot development will require it be constructed in the constructed in the sub-final area of south Dakota kthe recommissioner said

> Tracing earlier workering the western part of the state, he said: "The Angostura unit is a devel opment to which you can point with pride kicrop production and farm income from this unit are probably six times what they were prior to the aveilability of water for irrigation

Dexheimer said, We are just now reaching the point where the evidence may support a décision to irrigate from Shadehill Resèravoir."

But he called the outlook frank-ly not too good for development west of the Missouri beyond projects now underway or completed. There is no reasible development along the Bad River and only a minor amount on the White Rivers A small amount of new land dong Rapid Creek could be served from Pactola Reservoir

cent poor a ton, estimates show South District estimates only 12.9 per cent in population by 1975 com pared to a mational increase of 35-per cent. This, he said, meant an indicated loss of many of the

Contract Signed

Williston Maps Relocation Minot Daily News **Projects** 

WILLISTON - The City Commission is pushing plans forward for establishing facilities to be displaced by Garrison reservoir following the formal signing of a contract Thursday which calls for participation of the federal government to the extent of \$1.3 million.

The basic settlement agreement was reached last September and the contract was formally signed Thursday by Col. Lynn W. Pine, Garrison district engineer for the Corps of Engineers, representing

the government. Williston has been dickering with the government over the settlement for more than a decade and

## udget Report Set Williston Herald 1-10-59 oon On Garrison

oisveen added that congresshave said if this timetable is wed, hearings will be held on Garrison Diversion bill by ıt April 1.

ne bill in question is a reauthation for diversion of water i the Missouri River for irrion of a million acres in North ota. The 1944 flood control act authorized this diversion, but r plans! changed the point of rsion from Fort Peck Dam in itana to Garrison, Dam in ili Dakota.

eclamation leaders have been king toward congressional apval of the re authorization so work then can start on seek-

joint meeting of the State reclamation leaders.

to testify on the diversion bill.

to Congress its views on how the came prolonged, ice blocks formed big irrigation project would fit into the general economy. Once lowa, to Leavenworth, Kan. this report is out, committees and subcommittees in both Senate and very low stages in the river, reser-House can schedule hearings on voir releases were held above northe bill.

The Water Commssion also will hold its own regular meeting Jan. This again demonstrated the flexi-16. One item on the agenda is for bility of flow regulation made posa dam on a tributary of the Cannonball River northwest of Selfridge, in Sioux County.

Brunsdale and 20 of the state's beginning of December! and al-

Dakota witnesses to Washington prece mereased by 1000 cupic feet per second about mid-day on December 4. As the pattern of severe The Budget Bureau will report cold weather developed and belalong the river from Sioux City. To meet this emergency sit-

luation and to minimize periods of mal winter needs until December 22. Releases during this period reached a maximum of 11,000 cfs. sible by reservoir controls to meet emergency river flow conditions. Total main stem system water

work then can start on seek actual construction funds for canals and other projects ersion Co-ordinating Committee can will be part of the diver. Includes for the state's storage at midnight on December most one million acre feet greater than on December 31, 1957. Work

amount was included in an omnibus authorization bill for rivers and harbors that was vetoed by President Eischhower.

Largest project involved is the replacement 'of' the municipal water plant expected to approach \$1 million. The project is to be completed by Dec. 31, 1960.

The first job to be undertaken is the providing of a sanitary landfill garbage dump on which bids will be called in the spring. Other projects include a sewage lagoon. intake structure and 5-mile water

mation ne said; in that "you have one of the nation's most valuable resources flowing through vour state."

## Pool's Elevation

gineers reports the Garrison Reservoir pool level at Dec. 31 at 1,793.5 feet above mean sea level for a drop of 13 feet from the Water in storage was 7,750,000 acre-feet with 2,250,000 acre-feet with 2,250,000 acre-feet of net usable storage above minimum pool levels, established for power, pool levels, extaguished for power, recreation is intigation diversions and other purposes.

The months releases of water at Garrison for alled 909,000 acrefeet all other by which was used for power, generation which totalled 33,000,000 knowait hours.

### The Fish Are Biting In Area McLean County Independent

Displaying a 20 pound two ounce northern caught Tuesday noon is Rudolph Folden of Raub, on the right. Helping him hold up the fish is Albert Jorgenson of Roseglen who was along with the big one was caught.

The fish was caught through

the ice of Garrison Reservoir south of the Bill Iglehart farm. of Emmet.

Folden said he used sucker bait. He was really excited about this fine catch. The fish was 41 inches in length. It was weighed in at Coast to Coast store.

More Kunds tor Big Dams . . .

## State Projects Included In Missouri Basin Plans

WASHINGTON (AP) — A siz-able increase in funds to push ahead on big dam projects in the Missouri River Basin was asked Monday by President Eisenhower for the year beginning July 1.

This is part of the costly job of harnessing the Missourf for flood control, irrigation, power and other purposes, authorized in 1944. Some of the projects in the vast program have been completed or are nearing completion. "oh i

helloffi his budget message to Congress the President recom-mended \$60,750,000 to continue work by the Army Engineers on five. dams and reservoirs compared with about 511/2 milllon provided by Congress for the year ending June 30.

He also asked \$43,115,940 for reclamation work in the basin. This would be a slight reduction from the \$44,000,000 provided by Con-

gress for the present fiscal year. The President asked \$5,150,000 to continue work on the Garrison Dam; and reservoir in North Dakota, the main control structure on the Missouri. This compares with \$9,853,710 expected to be spent in the current year.

A spokesman for the Army Engineers said the Garrison" Dam, estimated to cost 294 million dollars, will be 95 per cent completed by June 30. ed by June 30.

The President asked \$8,350,. 000 to continue work on the second power plant at Fort Peck Dam in Montana, estimated to cost \$28,900,000: Congress so far has provided \$10,316,000 for it: This unit now has a capacity of 85,000 killowatts of power. The new work will add another 80,000 kilowatts.

A breakdown of the \$40,989,894; budgeted for reclamation works as part of the Missouri River Ba-

sin prografi includes: 7 2. · Helena Valley unit, Mont. \$2,too and said administration theataile an

16 Great Falls Tribune Friday, van. 16, 1950 17

### in Wall Unsatisfactory to City

Dissatisfaction with the Army West Side project into three sepa-Englideers "dike and ditch" Sun rate segments. River food control program for There are three phases of the West Great Falls was expressed total Shir River flood control proj-

to advise the Montana congressional delegation that the city ist dissalisfiedelwithillheapproposed flood contirol plans of , request that other methods of

The initial motion advanced by Mrs. John Nelson Hall was followed by one fostered by William The council chambers were filled to hear capacity with interested Engineers be contacted regarding persons. Jargely residents of the possibilities of breaking the footoosals.

during a special city council meet sections solution by the Armyz Ening Enled to discuss Hancing of ginegis, One phase calls; for a then table, share not the Ripiect disching system diverting Watson Wednesday, night.

Aldermen adopted a motion upstream from the city. A second phaser calls ofor. diking the LSun River, and an thirder diking, the is dissatisfied with Alber proposed flood control plans of posed flood control plans of alderning was to determine it the request that other methods of flood control be investigated.

The initial motion advanced by segments. Country; Club; addition o The effect

13 Lloyd Croxlord whose West Side home is located on the route of the proposed Sun Rivrer mike; told the meeting that he would fight to the supreme t Court of the United States any: effort to run, the dike through, his property.

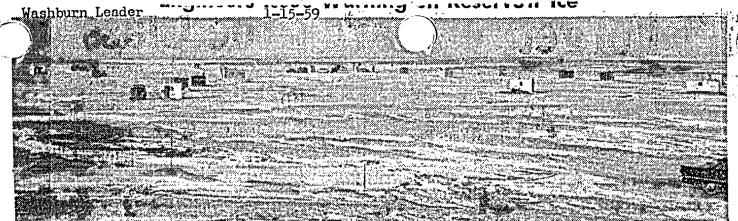
The city's share of the proposed project has been estimated at about \$ \$750,000 for payrents and right-of-way-for-ditches-and-dikes. However, Mayor John W. Steffani expressed confidence the right-ofway could be secured for less. He said the city will explore other possibilities. When financing of the project

was discussed there appeared to be a strong feeling that a bond issue to carry the local share of

SUZ, UUU - 101 ' Bureau , or Reciamation project construction in Montana and North Dakota on the Fort Peck project and these Bureau of Reclamation relhabiltatibn projects in hion-tana: Bittereot, \$1,076; Hunt-ley, \$130,000p Sun River, \$27, 000; Milk Blein, water Trights studies, \$40,000.
Also requestativas \$645,000 for drainage sauff follow tensiruction work in Colorado, Kansas, Monwork in Colorado, Kansas, Mon-tana, Nebraska, South Dakofa and Wyoming. The President proposed \$2,000,000 for project investiga-tions in Calvado, Kansas, Mon-tana, Nebraska, North and South Dakota and Avyorhing This would include i preparation totos definite plans reports missible Garrison disversion unit in North Dakota, but no specific aniquate was allocated for this: grave 1376.1

111000 control; agyaged during ine meeting included dredging the mouth of the Sun River and dredgi mouth of the Sun River and didiging the adjacent Missouri River bed. It also was suggested that Watson Coulee could be diverted to the Missouri River rather than into the Sun Lake wildlife refuge has been projected in Congress to improve the refuge It was pointed at Muring the meeting that

out during the meeting that con-struction of the proposed Sun Butte dam as a Sun River flood control measure had been opposed by sportsmen and wildlife groups.



Garrison Reservoir brings with it the hazard of accidents which might have serious consequences, the Army Engineers warned today. They cautioned motorists against using the ice as

fishing activity on the ice of ing. "Many springs exist at the of his car went through, but he mouths of bays such as Wolf was extricated before anything and Snake creeks, and if a mo-serious happened, according torist drives long enough on to Von Eschen. Photo shows a the ice he is bound to hit one portion of the approximately of them," said Shirley Von 100 fishhouses that dot the ice Eschen, reservoir manager. A in the Snake Creek arm. The Turtle Lake fisherman last main reservoir is seen dimly in week struck a weak spot in the distance.

RIVERDALE - Widespread a "highway" in distance driv-, the ice. The wheels, on one side

### N.D. Witnesses To Be Chosen To Appear In Support Of Garrison Diversion Bill

select witnesses to appear before congressional committees in Washington in the spring in support of a bill to re-authorize the Garrison Diversion unit.

Committees to choose witnesses the support of the budget report reaches can be held before Senate or

ct - which has the power to ap-unfeasible.

will give were chosen at a joint water for irrigation in North Dapear to testify himself, meeting of the State Water Combission and the governor's condinating committee on Garrison this called for diverting river ordinating committee. Mrs. Daphativersion.

The U. S. Bureau of the budg-th which has the power to appropriate the hearings, and likely will appear to testify himself.

S. W. Thompson, Warwick, was named to head a statement condinating committee. Mrs. Daphativersion.

The U. S. Bureau of the budg-th power to appropriate the hearings, and likely will appear to testify himself.

Nyagard, Jamestown, will head a congressional contact committee and state Rep. L. C.

BISMARCK, N. D. (AP) — prove the diversion project or Thew bills in Congress revise Wheels started turning Friday to turn thumbs down in the interest the 1944 plan to authorize diversion at Garrison reservoir to send, water through a branching networke of canals and natural bodies of water to irrigate one million acres in North Dakota.

Gov. John E. Davis will head a Committees to choose witnesses House committees in April. committee to select witnesses for and line up the testimony they Diversion of Missouri River the hearings, and likely will ap-

> mittee, and state Rep. L. C. Mueller, Oakes, will head the Transportation and Finance Committee.

The groups appeared confident that the budget bureau will report favorably on the diversion bill. Davis said there has been a distinct improvement in relations with lower basin interests, who in the past have opposed diversion of river water for irrigation

Mueller, who is president of the



COL. LYNN W. PINE

\_いしし:Jee

000 visitors came to Garrison Dam and Reservoir thojet string 1958, according to a fabulation made by the Army Engineers. This represents a gain of approximately 43

Last year's total included travel ters from 42 of the 49 states and from 10 foreign countries. The visitor total at Fort Peck Dam Mont., for the year just past was

124,000, diffigure approximately the same as that for the previous year.

During the season of 1958 there were 563 pleasure boats licensed were 563 pleasure boats licensed by the Corps of Engineers to op-erate on Garrison Reservoir. These included the craft of nine boat clubs which represented New Town Parshall, Halliday Garri-son, Minoti Rivendale, Unicrovood, Wilton and Bismarck. At the close of the 1958 season; three concessionaires serving the fishing and boating public were in operation on Garrison Reservoir and one on Fort Peck. These concessionaires are licensed by Garrison District of the Corp. of Engineers.

IN THE ARMY for Sabout 18 years, he has held commissions from captain to colored serving in Japan, the Panama Canal Zone Turkey and France Georgia Germany. Before entering the Army he held several civilian positions with the Corps of Engineers.

During his tenure as Garrison district engineer he supervised completion of the Garrison, Dam spillway initiated work on Units 4 and 5 of the Garrison Daminower plant and a second power plant at Fort-Peck Dam in Montana and supervised preliminary planning on several flood control construction projects in the district.

Soon after he came to Riverdale the old Fort Peck district was con-solidated with the Garrison dis-trict, giving the Garrison District engineer jurisdiction over central and western, North Dakota, Mon-tana east of the conlinental divide and northern Wyoming.

PINE SAID THE accomplish ments which were most gratifying to him during his tenure here in-cluded the settlement of the longstanding controversy over govern ment payments for municipal facilities at Williston to be affected

Irrigation's Value
To N. D. Cited to

DEVILS LAKE (I)— Growth of celed for North Dakota's future the agriculture, North Dakota's generations."

basic industry, lies in the state's ability to develop its water resources to the maximum as duck by the state water conservation project, will directly affect 25 eastern by as possible, State Engineer, Milo, and central North Dakota counties W. Hoisveen told more than 250 by, providing water for 1,700,000 delegates at the North Dakota acres in the area. The project will county Commissioners Assacion indirectly affect the rest of the vention here Wednesday AHT

Hoisveen warned that competed acres in the area. The project will state by broadening the total tion for the valuable water of speakers Wednesday insources is continually appropriately affect as base, he said, the availability of the state fail; it state of 1,835 and Road Examiner O. L. vantage of its present opportunity of the state fail; it state of 1,425 and Road Examiner O. L. vantage of its present opportunity of the state fail; it state of 1,425 and Road Examiner O. L. vantage of its present opportunity of the state fail; it state of 1,425 and Road Examiner O. L. vantage of its present opportunity of the annual banquet was set Wednesday night. DEVILS LAKE In- Growth officeled for North Dakota's future

lwas set Wednesday night.

State Highway Commissioner A. W. Wentz emphasized the need

for long-range planning and maximum efficiency in development of

local roads in addressing the commissioners Tuesday afternoon. Other speakers Tuesday were Helgi Johanneson and Kenneth M. Jakes, assistants in the attorney general's department, and Floyd Henderson, state veterans affairs

commissioner.

that committees of each group will meet next Friday in Bismarck to discuss amalgamation of the two organizations.

> Members of the witness selection committee for the Congress hearings are Davis, State Engineer Milo Hoisveen, Herb Lyons of Jamestown, Oscar N. Berg of Minot and Roy Holand of La-Moure.

> Members of the statement co-ordinating committee are Thompson, President Fred S. Hultz of North Dakota Agricultural College, Dushinske, Harry Polk of Williston and Vernon S. Cooper of Bismarck.

Rep. Quentin Burdick (D-ND) Friday was named to the House

Friday was named to the House Insular Affairs Committee.

Burdick said he was pleased with the appointment because it will "allow me to work directly for expanded water resources and Carles and further schooling in engineering graduate of the Unit will "allow me to work directly for expanded water resources and Carles and further schooling in engineering graduate of the Unit will "allow me to work directly have been seen and carles and further schooling in engineering graduate of the Unit were standard to the Unit work of Illinois."

| Prince Said Thursday that he and the Carles are seen and the Carles and Ca

Kiverdale Bismarck Tribune

RIVERDALE - Col. Lynn W. Pine. Garrison district engineer for the past three years, has been nominated to be chief of the United States military mission at La Paz, Bolivia, orders from Wash-

place in early April.

Pine told The Tribune recently, Pine told The Tribune recently, and served as host at Garrison however, that he expects to leave Damilast September when a group for Monterey about March 10.

Pine will go to Bolivia after a six-month course in Spanish at the

Dam and the initiation of negotiations which now appear to be as-sured for the establishment of a multi - million dollar agricultural chemical plant at Riverdale

Active in the affairs of the American Society of Military Engineers' he was influential in the Paz, Bolivia, orders from wasnington headquarters of the Army Dakota post of that society at revealed Thursday.

He will be succeeded as Garrison District Engineer by Lt. Col Walter W. Hogrefe, now in Koreal The changeover is expected to take The changeover is establishment of the first North tional Commission on Large Dams of internationally known engineers visited the project following their

Burdick said in the appointment because it will the appointment because it will "allow me to work directly for expanded water resources programs in general, and Garrison Dam diversion in particular said statement of the said of the said Thursday that he and water resources and the said of the

## Thank You, Colonel Pine

Colonel Lynn W. Pine, who will Jeave his post as Garrison District engineer in a couple of months, will be able to look back upon several outstanding accomplishments during his tour of duty at .focused attention on lignite. Riverdale.

It was his pleasure, no doubt, to be in charge of the district when various activities which had been under way for some years came to a head, permitting their definite disposition.

However, it was largely through his personal energy and perseverance that some of these things were accomplished. For this he is apt to get no military decorations but they entitle him to the enduring compliments and appreciation of North Dakota people and the various agencies affected.

Not the least of these achievements is the settlement of the long-lasting problem as to the compensation justly due Williston for municipal facilities which will be affected by Garrison Reservoir waters at their eventual maximum level. The negotiations spanned the tenures of several district engineers, but during Pine's command they were brought to a conclusion.

Greatest of all the achievements recorded during his period as Garrison District engineer, how-

1)

others, as witness the conclusions contained in the so-called "Little" Report," which was caused to be made by Twin Cities industrial and business leaders and which

Through all these years, however, little or no industrial use. has been made of lignite except as a fuel, and even that use has been relatively limited.

Now the North Dakota Nitrogen Corporation contemplates the construction of a sizeable plant at Riverdale, the principal output of which will be nitrogenous fertilizer, a product the use of which is growing by leaps and bounds.

The Riverdale plant could be just the first of many-industrial: chemical uses of lignite.

Of course, the actual sale of the lignite, stockpiled has he building of the dam as it states as with the dirt that went into the emu bankment, is important in itself This did away with the knotty problem of how to dispose of the stockpile without disrupting the commercial lignite mining in dustry.

Beyond this, fruition of th Nitrogen company's plans, will mean the preservation of Riverdale as a North Dakota com munity. Other similar dam towns have vanished when construction. has ended.

stockpile to a new corporation which proposes to use it in the manufacture of agricultural chemicals.

This was notable because it could be the trigger on developments almost as sweeping in their effects as the building of the dam itself.

North Dakotans long have believed that the billions of tons of

future, it is doubtful if any will be more immediately important to a large number of people than his work here. Whatever is done or accomplished in an organization as huge as the United States Army and its varies affine cannot, of course, evenue attributed to just one man houmatter who he is.
But the wight man in the right place at the right time can acrecoverable lignite close to the complish a lot, even in the Army. surface of the ground in the west- And Colonel Pine appears to have ern part of the state eventually been the right man in the right will be the base for substantial in- place at the right time to get these dustrial development. So have important jobs done at Riverdale.

En The News te Capitol Bureau . on record as demanding early the Garrison Diversion project totransmittal of the Garrison diver- ward obtaining an early transmittal sion report to Congress saynaRe of the project report from the publicans and Democrafaxin the executive branch of our federal Senate 'in manimous pagreement government to the Congress." Wednesday, 292 bus asie? haden Wenstrom noted that the support

sponsored by: the Senate Demo-cratic minority leader, Ray Vend-sel of Carpio andowas seconded by came a state we were fortunate to

for consideration; where it is ex-tognized that the only assured water

Because of the importance the er." feels is attached to the proposed. He seem that the North Dakota project, Sen. Wenstrom addressed Water Conservation commission the Senate at some length in his wastestablished in 1937 during the seconding speech, stressing Gov. administration of Gov. William John E. Davis had recommended Langer; that Gov. John Moses was such action in his miessage to the one of the leaders among the gov-joint chambers, also emphasizing ernors of the Missouri basin states

lpassage of the resolution would "indicate the support of the North ACK - A resolution put- Dakota legislature of the efforts of North Dakota legislature all the leaders and proponents of

The resolution had in fact, been for the Diversion had always been

a Republican Sense Frank Wen-hays had men of vision, men who strom of Williston. Propage of a faggraph the Missouri river, an opIt passed without a dissenting perturby 185 new wealth for their vote and was sent to the House state." Wenstrom said. "They recpected just as prompt action will supply that was available to North be taken. Supply that was available to North Dakot Charlet Steel in the Missouri riv-

ım establic the Missouri River e, an organization the voice of the States cc through V states of the pasin could be heard! that: Gov.: Fred G.maandahi was instruction and the control of the c Northyd badeidataeigabevelopment nobleder and slightendum rabout a roonstanted lefteritatorall' federal becausestirdigh the Missouri Babing litter namey committee: that Guy! Norman: Brithsdale "must be given credit for much of the progress that has been made in North Dakota to Diversion project including the witablishment of the 25-counting Garrabn Deversion Conservancor districted indo that Gbv. Davis has actively worked to secure the united support from all states in the Missouri river basin for the Garrison Diversion project.

This united support, said Wenstrom, is vital if the project is to be brought to its successful culmination.

## N.D. Seeks Ample Diversion Planning Planning Funds; Eyes 'No-New-Starts' Suggestion:

of his no-new-starts recommendation for reclamation projects in the nation.

effect in North Dakota, it would tend to make the, "waiting list"

President's recommendations and much would be available, if any, report" only to the extent of the tibe report soon to be submitted from other funds next year is planning of the actual diversion is the first giving cost and beneficial work on most of lard to determine at this early of water from Garrison reservoir lit details on a specific project. them is being limited to pre-con-date. struction activities.

North Dakota reclamationists. in addition to being concerned about reauthorization, also are watching closely the amount that will be learmarked for continued pro-poneiruction investigation on

the year ending June 30.

A telegram to The News from design. While the ban on new projects, Sen. Milton R., Young (R-ND) adhave no immediate far-reaching vised that \$550,000 had been earmarked in the budget for continu-ing work on Garrison Diversion investigations. That compares with sion project is reauthorized noil 487,000 appropriated for this The North Dakotans hope to get the \$640,000 dispected to be spent Congress last year ignored the from other funds within the Department of the Interior. How

> However, the current word from, Washington - passed on to North Dakotans by Fred Fredrickson, Washington representative of the Greater North Dakota Assp.-is, that it is likely that the Diversion investigations

North Bakota reclamationists. To keep the Diversion project detailed work which includes land cation on the individual farm unit, are viewing with some alarm a planning at its present pace would classification on each individual. There has also been considerrenewal by President Eisenhower lake an estimated \$640,000. That's farm and detailed layouts of ca-able difference of opinion on the the amount the Burcau of Recla- nals and laterals. Out of this phase question of whether Congress is mation will spend on the job in of the investigations comes the being asked for "modification," final estimates and construction "authorization." or "reauthoriza-

> Johnson said there has been a great deal of misfinderstanding about what has often been labled "the definite plan report", for the project which is currently awaiting approval of the Bureau of the Budget before submission to Congress for reauthorization.

on local delivery works and appli-lof Congress.

tion" of the project.

Because the old Missouri-Souris project originally was authorized as part of the Pick-Sloan plan for development of the Missouri basin, many N. D. reclamationists feel that only approval of a "modification" of the project is being asked of Congress:

In the halls of Congress, however, the word "authorization" is Actually, it is a "definite plan widely used on the grounds that

to the main delivery points. The Still others, advancing North Dabalance of the report is based on kota's cause, are using the word semi-detailed and reconnaissance "re-authorization" which suggests surveys to arrive at preliminary the earlier approval of the Misestimated costs and feasibility ra-tios. With the approval of that re port, the Bureau of Reclamation ing the project higher on the primust fill in with detailed studies ority list once it gets the blessing

#### Nitrogen : Plant Plans To Be Aired

RIVERDALE - Plans for the construction and operation of a \$15 million plant here to produce agricultural chemicals will be outlined at a meeting of the Riverdale chapter of the Society of American Military Engineers on the evening of Jan. 22.

Making the presentation will be Harry Dennis, vice president in charge of engineering of the Chemical and Industrial Corp. of Cincinnati O., a firm which has taken the leadership in building similar plants around the world and is serving in a consulting engineering capacity for North, Dakota Nitrogen Inc. which will build and operate the Riverdale plant.

The Cincinnati firm has received a report termed "very satisfactory" on tests made at a similar plant in Germany on 10 tons of lignite shipped there last fall from Riverdale. The German plant consumes soft coal, but the lignite reportedly worked very well under actual production conditions.

Current plans call for a start of construction in the spring. The Corps of Engineers already has approved sale of the 21/2 million ton lignité stockpile at Riverdale to the North Dakota firm at 40 cents a ton.

#### \$584,620 Low Bid On Ft. Peck Minot Daily News Iranstormers

RIVERDALE - The American Elin Corp. of New York City submitted the lowest of eight bids for the contract of furnishing four power transformers, for the second power plant at Fort Peck Dam at a bid opening in the Garrison in the states of North Dakota, an appropriation of \$2 million.

Based on that premise, the Bur-South Dakota, Colorado, Kansas, Based on that premise, the Bur-Montana, Nebraska and Wyoming, east charted a planning pro-the President has recommended gram on the Diversion project for the next fiscal year which calls

1. Completing the detailed work or the Oakes unit. IThat work will be virtually finished by the end of the current fiscal years.

2. Continuation of detailed plan-ning on the LaMoure and Warwick-McVille units (In the next year the Warwick-McVille unit should be brought to a point of near completion and the LaMoure unit will be well along toward completion.) .I.V. 42 1471 3

3. A start on the Karlsruhe and Souris Loop districts. The Karlsruhe district is a 2-year job and the Souris Loop a 3-year job, again based on the current rate of

No work will be undertaken in areas where irrigation districts have not yet been formed, Bruce Johnson, projects chief for the Bureausin North Dakota, said As the districts are organized, however they will be in line for the

### Davis Protest on

WASHINGTON? A Fred G. Aandahl, assistant secretary of the interior, said Friday allocation of Missouri Basin public power will be handled on an equal basis to all customers without regard to

state boundaries. Gov. John E. Davis of North Dakota had protested against the present system of allocation of power from the big dams in the Missouri River basin. He said North Dakota was being slighted.

### Children's Camp

RIVERDALE - A dofmitory for workmen employed on Garrison Dam construction has been purchased by Camp Dominic Savio, a non-profit corporation organized a year ago to establish a children's camp in the state.

The dormitory will be moved to a permanent site at Pick City, three; miles west of here, next

spring.

The camp is expected to be in full pperation for 100 campers by mid-summer, according to Rev. Laurence R. Talty, pastor of St. Anthony's Catholic Church at Donnybrook and director of the camp.

The dormitory was constructed in 1946 by the federal government at a cost of \$179,000. It was purchased for \$7,500, although remodeling and tother necessary, work will bring the cost to about \$35,000.3 THE REPORT OF

three Schedules, Arsonand Co The American Elimible was Schedule A; \$266,700; B; \$142,545; and C; \$175,375; for late total of \$584,620. The second low bidder on schedules A and B was the English Electric Export and Trading Co. of New York City with bids of \$274,000 on schedule A, and \$169,000 on schedule B. The second low bidder on schedule C was the Legnano Electric Corp. of New York with a bid of \$220,735.

The deadline for delivery of the transformers is July 1, 1960. Other bidders were the Wagner Electric Corp. of St. Louis; the Allis-Chalmers Manufacturing Co. of Milwaukee; General Electric Co., of Blsmarcky N.D.: Pennsylvania Transformer division of the Mc-Graw-Edison Co. of Canonsburg, Pair and the Westinghouse Electric Corp. of Fergus Falls, Minn.

## Requests 5143 Million For River Basin

. WASHINGTON (UPI) — President Eisenhower Monday asked Congress to appropriate \$143,369,894 for construction of reclamation, navigation, and flood control projects in the Missouri River Basin during liscal 1960.

The President's budget included \$105,380,000 for the civil works program of the Army Corps of Engineers; angles 7,987,894 for the Bureau of Reclamation. No new construction was scheduled. The requested funds would be used for construction of existing projects and for investigation of proposed projects.

The largest single request was \$43.5 million for work on the Oahe reservoir in South Dakota by the Army engineers. The largest request for reclamation construction was \$4,076,035 for the Frenchman-Cambridge division of the Missouri River Basin project in Nebraska. Projects to be affected are the Red Willow dam and reservoir, Culbertson canal, and Prenchman Creek floodway change in the Cambridge of the Control of the Contro

The Army Engineers proposed projects were part of a nation-wide civil works program estimated to cost \$864,248,000.

Reclamation requests included \$19,836,894 for major sixtruction on eight projects, \$15,560,000 for construction of transmission systems, \$645,000 for a drainage and million construction program, and \$1,000,000 for investigation of proposed projects

Che of three major reclamation construction: requests submitted by the President included \$2,118,-000 for the Glendo Unit in Wyoming.

Transmission work also would be done on Flatiron-Greeley transmission line in Colorado, on metering stations of the Nebraska portion of Kortes-Cheyenne-Pine-Bluff-Sidney transmission line, Ft. Peck in Transformer Bids Opened

By Tribune Correspondent

RIVERDALE, N.D.—The American Elin Corp. of New York City, submitted the lowest of eight bids for the contract of furnishing folir power transformers for the second power plant at Fort Peck Dam at a bid opening in the Garrison District office of the Corps of Engineers here.

The job was offered in three schedules, A; B and C. The American Elin bid was as follows: Schedule A, \$266,700; B, \$142,545, and C, \$175,375, for a total of \$584,620. The second low bidder on schedules. A and B was the English Electric Export and Trading Co. of New York City with bids of \$274,000 on schedule A, and \$169,000 on schedule B. The second low bidder on schedule C was the Legoano Electric Corpor New York with a bid of \$220,-735. The deadline for delivery of the transformers is July 1, 1960.

Other bidders were the Wagner Electric Corp. of St. Louis; the Allis-Chalmers Manufacturing Co. of Milwaukee; General Electric Co., of Bismarck N.D.; Pennsylvania Transforth Divisit of the McGraw-Edison Co., of Canonsburg, Pa., and in the Westinghouse Electric Corp. of Fergus Falls, Minn.

Illinois firm 11 be Low Bidder On Datus News Dam Equipment

RIVERDALE (AP). — The Woodward Governor Co., Rockford, Ill., was apparent low bidder for furnishing turbine governors for the second power plant at Fort Peck Dam in Montana, the Army Engi-

Great Falls Tribung Frogram
Missouri Basin Water Program
Is Only Half Completed 1-19-5
In his review of the Bureau of Reclamation's water and irrigation development program Missouri River Projects, states

that the year as in the previous year, construction of the Helena Valley unit, started in 1936; continued as the bureau's major construction activity in Montana.

An interesting and significant background picture of the Missouri River basin development program is presented in a pamphlet prepared by the Missouri Basin Interagency Committee and recently published by the U.S. Public Health Service.

In its introductory, this report recalls the disastrous 30s of drought, flood and depression recalls when thousands of families abandoned their homes in the face of dust storms and falling water tables. Others who stayed required public assistance. From 1930 to 1940 more than \$2½ billion were poured into the area.

Then came World War II, another emergency demanding allout production.

In 1944 the federal government adopted a comprehensive program for basin-wide water development and flood control. This program sought to bring government but reaus, formerly working alone into a cooperative team to solve the complex and varied problems of conservation in the Missouri basin.

Though the program has often been subject to criticism, few in Montana would deny that its achievements have been tremendous and far-reaching. Yet the pamphlet's review of accomplishments and of the task ahead indicates that we have advanced little be youd the half way mark in the sile way conservation and flood control.

According to this survey, water s still to be harnessed for firigating 4 million acres of land, creating 100,000 new cole incomes, based on a \$250 million amual output of food and fiber, and establishment of a \$½ billion amual market for manufactured goods—in time creating many new communities and livelihood for 2 million

was see, 850. Alus cnaimers co., Minneapolis, entered a bid of \$111,870 and the Pelton division of Baldwin-Lima-Hamilton Corp., San' Francisco, bid \$101,300.

Great Falls Tribune RIVERDALE, N.D. (UPU) His for the contract to construct local flood protection levees on the Vellowstone, River at Glendive will be invited in mid-February, the Corps of Engineers said.

The Glendive project will involve placing about 200,000 cubic yards of dike embankinent and rebuilding a bridge. The estimated cost is \$150,000, the Garrison district office said. Bids will be opened March 18.

(Data front the Corps of Engineers)
Reservoir elevation at midnight,
Jan. 20, 1859, 2198.21, with a gross
storage of 8,940,290 acre feet. The
average inflow during the week was
5,900 second feet, and average release was 6,975 second feet. Reservoir elevation at midnight, Jan. 26, was 2196.11, with a gross storage of 8,925,390 acre feet.

plished by a series of starts and stops. It needs to be continuous.

## or Roofing

Garrison district of the Corps of Engineers has set Feb. 6 at 2 pm. for a bid opening in its Riverdale, N. D., office for roofing materials to be used at Fort Peck.

An invitation for bid lists 875 sheets of corrugated roofing in 12-foot lengths and 140 sheets of the roofing in seven-foot lengths...
In addition, bid is asked on a total of 51 ridge roll, end wall, and aide wall flashings.

#### ust Musing hburn (ND) Leader 2-5-59 By Oliver Borlaug

Recently it was announced that Col. Pine's assignment at Riverdale would be terminated in the striff of the would eventually a in south. America. We express a thought which is shared by many ... we have composite the many many we have a shared by many ... Pine leave McLean county.

In the time Col. Pine has been Ball K E Dan Wal Rivordale, we feel that there has bren developed a sidner, closer bond between the people of the county and the Corps of Engineera transfer there have been many meet-

ings at Riverdale to which business and civic pleaders of the municipalities of the county municipalities of the county mave been invited in increasing numbers our people have accepted the second in the se

We feel that this feeling of friendship between the representatives of the government and the present the county of the continue. The county of w supported several substant

Washburn Leader 2-5925 Jean Satterlund



in Riverdale to hear an outline just below Garrison Dam. The of plans for the multi-million- speaker was Harry Dennis, en-

Riverdale - Pictured is a dollar agricultural chemical gineering vice president of the group of state leaders present plant proposed for the area Chemical and Industrial Corp.,

of Cincinnati, Ohio. The latter firm has been retained as a consultant by the North Dak ota i Nitrogen Cos swittens will build and open to the plant Dennis, speaking belove the Riverdale Post of the Society of American Military Engineers, said construction was scheduled to start this coming spring. In the photo, left to right: Erik C. Erikson, president of the Riverdale SAME post; Ray Doost publisher of the Minot Dally News; Harry Dennis of C. Lavonn O. Hjelle, editor of the Bishlarck Tribune; Frank Wenstrom, Williston banker and state senator; Homer Ludwick executive vice president of the GNDA, Fargo, and Col. Lynn W. Pine, Garrison District Engineer for the Corps of Engineers.

## Diversion Project Wins Williston Herald 2-4-59 OK Mississippi Walley OK

ST. LOUIS (A) — A resolution tending the meeting expressed endorsing the Garrison Diversion "great satisfaction" with the acproject was adopted opposition at tion of the powerful organization the close of the annual meeting representing 23 states in the Misof the Mississippi Valley Assn. sissippi Basin. here Tuesday afternoon.

The resolution called upon Congress to "enact appropriate legislation to construct the Garrison diversion project". If Congress finds the project "sound and economically justifiable after provision is made in the plan for the help in getting the proposed rereturn, of, substantially all of the authorization legislation; through return flows from lands irrigated congress," - 1971 2011 ? into the Missouri River."

principal benefits of the basin Donald O'Toole, Chicago banker, sloan plan of 1944.

A North Dakota delegation at- S.D.

Fred J. Fredrickson, Washington representative of the North Dakota Water Conservation Commission, said the action was "evidence of improved relations" between upper and lower basin interests and "should be of great

At the meeting: R. L. Bessel of It, also noted that irrigation in Harvey, N.D. was reelected dithe upper basin was one of the rector from North Dakota and program envisioned in the pick- was named president, succeeding Charles J. Danforth of Yankton,

Aim: United Front on Diversion

#### basın Fower Fargo Forum

WASHINGTON (AP) man James E. Murray (D-Mont) of the Senate Interior Committee Tuesday scheduled hearings on federal power generation and marketing. He said 1116 emphasis would be on the Missouri River basin. asin. 1771713 The hearings, set for Feb. 13-14,

will give rural electric cooperatives, city power systems and others a chance to testify on power needs.

A second hearing will be held March 5 on the Interior Department's power allocations for the Missouri basin, and to consider h prospective shortage of electric power in the area.

The committee will study possible methods of meeting the power generation needs of the Missouri Basin and other areas. Both hearings will be in Washington.

#### rentative Accord is Keached On State Water Users Group

Preliminary approval of articles and by-laws for a new! North Dakota Water Users Assn. was given here Satur-day by a joint committee representing the two groups which would get together to form the

flew association.
The committee represented the North Dakota Reclamation · Assnerand the Missouri-Soufis, Profects Assn.; which are talk-ing about dissolving their separate" entitles; and coming together as one group.

State Rep. L. C. Mueller, Oakes, president of the reclamation assn., and R. K. Dushinske, Devils Lake, president of the projects assn., attended. the meeting.

The group agreed to a proposal that the memberships of both associations be called to general meetings in Bismarck Feb. 21 for the purpose of dissolving their organizations, if they agree to the plan, so that the two groups can then meet as one to set up the new association.

Consolidation of the two groups has been urged as important in order that North may present a united front in efforts to secure federal approval of the Garrison diversion plan and other projects in the next several months.

The proposed North Dakota Water Users Assn. would be

governed by a board of directors representing four districts - four each from the southwest, northwest, southeast and northeast districts Library others. These wands be the immediate past president of the association, the loath director of the national reclamation association, and threat appointed by the board rate large.

The iding committee adopted acressition wriging that the Dakota water reclamationists in newl organization's board of directors (www.when the le c't ed. promptly set up a Garrison Diversion Committee to coordinate promotional work on that project. Other committees would be appointed for other projects as needed.

....

#### Everywhere Else, Reservoirs

Corps of Engineers said in Bis- lost at-air alarming rate, as the marck the other day that the country grows and people build Corps has no present intentions of. improvements where we MUST investigating the possibility of store water to assure our contin-

This was good news to the people, ized reservoirs and one considered of this area who can't get over 301,1000, possible authorization may be fear that some day the federapili prechided because of encroachgovernment will come in and him pent and negeneral, good sites for build another big dam and then in moderately clarge reservoirs are take away and flood the few reminioriogo de and satisfactory alternamaining acres of Missouri bottornid stive sites are not available."

Omaha Division office, and un- easy to find them. doubtedly Mr. Pafford meant what is It would be surprising if Genhe said, even when he stressed that no such study would be undertaken until and unless North Da- souri north of Bismarck and south kotans through their governor of Garrison Dam. asked for it.

division office is just a small cog! sizeable strip remaining between in the total governmental ma-0 the Nebraska border and the chine, and rarely does one func- Montana line upon which a "modtionary know what all other functionaries are thinking or even located. what they're doing.

be of more than casual interest. Omaha or for any other purpose. Itschner, declared that "much more emphasis will have to be. placed on the construction of res-

ervoirs for the conservation of water than in the past and added

A representative of the Army's poundments are already being building another large dam in the use the similar building another large dam in the use the similar building another large dam in the use the similar building another large dam in the use the similar building another large dam in the use of the similar building another large dam in the use of the

land that remain in the state. To the month of the words, new sites for the man who made this state i large dams and reservoirs are ment was R. J. Pafford of the "heeded, and it isn't going to be

> eral Itschner's scouts haven't had an eye on the stretch of the Mis-'

This 75 mile length of virgin Unfortunately, a big wheel in a. bottomlands is almost the only erately large" reservoir might be

North Dakota wants no more of About the same time Mr. Pai the Missour River bottoms, which ford was in Bismarck, the chief include some of the finest land in of engineers, Maj. Gen. En C. the state, used to store water for Itschner, was making a speech to the production of electricity for the Mississippi Valley Association, export to other states or to float in St. Louis, and what he said may barges, on the Missouri below

### Editorias F Bismarck Tribune 2-3-59

Two Very Important Tirsts

There is good reason now to reason that most of the obstacles have industry away from natural gas been overcome in efforts to build and oil to a new raw material. a plant at Riverdale for the Hanti- It is understood that the avail-facture of agricultural themicals ability of the lignite stockpiled in

persons.

the coal.

2. It will be the the sis shift of the is opened.

from North Dakota lignife chicier withe building of Garrison Dam, at The effects of such a develop ad comparatively low price, is the ment may be far-reaching beyond most important factor in the ecothe present understanding of most nomic feasibility of such a plant at this time and this place.

Ted Kolderie, the very excellent. However, the first successful inreporter here for the Minneapolis dustrial use of lignite in this way Tribune, noted two basic reasons could well lead to other similar in for the plant's importance in a re- dustrial uses. As Kolderie wroter cent dispatch to he newspaper. it is the first important use of light 1. It will represent the said, the nite for industrial purposes, and first large-scale-industrial use of - once the value of ligniterior these North Dakota's hugal serves of purposes has been demonstrated. alwhole new field of potentialities

call for bids on construction of the final link in the 10-mile leved system that will protect Williston from the rising water of Garrison Reservoir will be issued Friday by the Army engineers.

The bids will be opened here

The stage 3 levee job being put up for bids entails about 112 miles of dike and related construction and is a unit of the Garrison Dam and reservoir project. Stages 1 and 2, comprising approximately eight miles of levees, have been completed in the last two years. .

Stage 3, which closes the gap on the Missouri River side of the city could not be let for construction until the government and the city of Williston reached a settlement over replacement of the city's water intake and other facilities.

Riverdale A group of between 25 and 30 St. Paul, Minn. tween 25 and 30 Sf. Paul Minn business, industrial and professional leaders, has included Gargison Dam as one stop on a North Dakota tour, it is planning for April 5-6, according to a letter received here from the St. Paul Chamber of Commerce. Among the tourists of will be william Clapp, presidents of the Rudd, presidents. Chamber; John Budd, presidents of the Great, Northern railroad; Robert S. MacFarlanc, president of the Northern Pacific, and Fred M. Swain, petroleum geo-logist of the University of Minne sota.

Arriving in Minot at 5.30

a m. Sunday. April 5 via the Great Northern the Zarry will spend, Sinday, on a tour of the control of the c

supply." He went on: "III :: "Good locations for major im-

## Mississippi Valley Assn. The grange Backs Diversion Project A resolution endorsing the Garry Fred J. Fredrickson, Washingson Diversion project was adopted for representative of the North Dawithout opposition at the close of the Water Conservation Commission Commission and the Conservation Self-Who action was Commissioned to the William Self-Who action was Commissioned to the Commiss

and the Williston City Commission. The government specifies that the stage 3 levee unit be completed by the end of November, 1960.

lation to construct the Garrison Di-legislation for the Diversion projversion project" if Congress finds cet through Congress."
"the project bound and economical Fredrickson also is Washington ly justifiable after provision is representative of the Greater made in the plan for the return North Dakota Asn. of substantially all of the return At the meeting R. L. Bessel of flows from lands irrigated into the Harvey was reelected director Missouri river."

the annual meeting of the Mission, said the action was "evidence sissippi Valley Assn. Tuesday late of improved relations" between upternoon in St. Louis, Mo.

The resolution called upon less to "enact appropriate legisting the proposed reauthorization.

from North Dakota and Donald It also noted that irrigation in O'Toole, Chicago banker; was the upper basin was one of the principal benefits of the basin processing the principal benefits of the basin processing charles T. Danforth of Yankton, gram envisioned in the Pick-Sloan S.D.

plan of 1944.

A North Dakota delegation at by a special committee appointed tending the meeting expressed by Danforth, was approved by the "great satisfaction" with the action of the powerful organization representing 23 states in the Massissippi floor and adopted as part of the platform of the MVA.

According to the letter. Thomas Colq Fitzmaurice. Minot Coll man is making the arrangements and will conduct the tour sunday evening a joint meeting at the soundary of try club is planned with the soundary will be soundary the soundary will be soundary the soundary will be soundary with the soundary will be not Chamber of Commerce. speaker will be Mr. SWATENTO will: describe the WillistondBasin

oil development. 4 rolling.
On April 6 the party will four the Beaver Lodge oil offeld, arriving at Garrison Dam for a tour at about 3 p m. Following an inspection of the refinery at Mandan, the party will go on to Bismarck that evening for a joint meeting with the Bismarck, Mandan and Garrison chambers of commercial and Marison project at Maris 1981 (Maris School and Chambers 1981) and Maris 1981 (Maris School and Maris 1981) and Maris 1981 (Maris School and Maris 1981) and the chief speaker The party will return to St. Paul that night on the Northern Pacific. riving at Garrison Dam for a tour the Northern Pacific.

## N.D. Irrigation Contact Details Worked Out at Washington Meet

### By JACK E. CASE Principles will terms of contracts for irrigation rustricity in North

for irrigation ristricts in North Dakota Carrisonal resion project were developed at a recent tri-fever Dureau of Reclamation conference by Washington, D. C.

Basical Carrisonal Trived at were development by Basical Carrison Dakota farmers the best possible terms of Tigatpa development possible inder present federal waster laws at 1

ter laws in 1 Dakota has an established dryland agriculture, and irrigation will not reclaim a desert," summined that the share for farmers, marized Bruce Johnson, Bureau municipalities, park districts and property of the state of the state of the share for farmers, marized by the state of the North Dakofa."

Specifically under consideration at the conference was the contract; cussion was the part North Da for the Dickey-Sargent Irrigation kota's 25-ceptive Garrison Conserv. District. It is expected that those ancy District, shall play in the that will be offered to other districts will be almost identical. Was desired by which the Conserv-Although the legal language that

of Reclamation spokesman in all other users would be 17 per cent: of the total cost, with the, "We have to make it possible for the itrigator to compete with his dry land neighbor or he will move out of the state of the state of the other same for the other same for the other same cent. Time for repayment could extend for 60 years after the development period.

Specifically under consideration

voluntarily.

The 10-year development period provision will specify that the water bills will be graduated generously, with the conservancy district to pay the difference between those bills and the actual cost of the distribution, operation and maintenance in local hands rather than that of government officials. This can be accomplished through the Conservancy district to pay the difference between those bills and the actual cost of the discussion was on

ancy District could air irrigation will provide for the general prindistricts and individual irrigators ciples is still to be composed, in getting started.

Johnson said it is hoped to have with the conservancy district the contracts in the hands of the participating, the farmers can be districts by June 1. They men will be added to the participating of the contracts of the participating. aided without relaxing an already have an opportunity to negotiate liberal federal law," Johnson rexplained. The plained to meet local situations.

plained.

Discussion by Bureau representatives on national, regional and district levels led to decisions to accomplish this in three principal areas. The summer of the contracts legally need though the contracts legally need the signed only before water is delivered, in actual practice Congress in recent years has not been woting construction money until the conservancy district will then pay those acres' share of the cost until they come into the district control of the distribution, operation and maintenance in local

### Sedimentation Prohibits Any Lowhead Dam

Heavy expected sedimentation would make a low-head dam across the Missouri River at Bismarck unhead dam across the Missouri River at Bismarck unfeasible, North Dakota stale officials were advised Tuesday by the Army's Corps of Engineers.

Sand carried by the river and deposited in the reservoir that would be created by the dam would probably fill a good portion of it within as little as five years, the engineers explained (Continued from Page 1)

(Continued from Page 1)

Andrew would kill the proposal," said Hoisveen.

Andrew Mork, truital Mandan, president of the Missouri Slope: Development Association, which has urged that such, a study be made, urged that other means of controlling, bank eresident has a controlling.

engineers explained.

Their preliminary report Tuesday amounted to a preview of the more detailed report that will be made later in the year under a directive from Congress.

Advocates of the lowhead damidea, who had envisioned the structure as taking the place of a bridge across the river here to carry Interstate Highway traffic, listened to the discussion and

listened to the discussion; and agreed afterward that the idea is all but dead at least for the time THE MEETING was held in the office of Milo Hoisveen, secretary and chief engineer for the State Water : Conservation Commission. with Highway Commissioner A. W. Wentz and Chief Highway Engineer R. Er Bradley also present.

Reporting for the Corps of Engineers, were R. J. Pafford and A. J. Bartos of the Omaha division office and H. O. Michel and Erick Erickson of the Garrison District Engineers office, Riverdale, which is making the study However, the engineers preliminary estimate as to the cost of a lowhead dam crossing of the river; in place of a bridge, was

(Continued from Page 1)

controlling bank erosion be ex-

lowhead damaidea be (earmarked instead to study river bank stabili zation. He said such studies might cover at series of flow dams was well as revelment and jetties as protective works with the

PAFFORD SAID that degrada tion llowering of the river bottom through water action) below Garrison Dam has been less than had been anticipated and so there is no present plan for the construc-tion of another dam to control the flow of the river below Garrison; The engineers spokesmen acknowledged that bank erosion con-tinues to be a problem along the river below Garrison Dam. would settle adown in the still waters of the project above the project and the project in the p

pay all operating costs during the development period to meet federal requirements that those ben a efitted must pay operating and maintenance: costs during that time.

\*\*TOHNSON\*\* EXPLAINED\*\* that time.

\*\*TOH

pay all operating costs during the will probably be used in drawing development period to meet fed-contracts for districts in Texas eral requirements that those ben and other states of the contracts of the contract of the contracts of the contract of the contr

ENGINEERS PLACED this estimate at about \$3,000,000, which figure they said included all roadway and bridgework which would be needed for the interstate highway for a 3,200 foot stretch across the river valley.

A dam alone carrying no bridge and including no hange would brobably cost about \$1,000,000, it was estimated that these estimates would be suffered that these estimates would be sufficient to natify any substantial incompating in a dam, it was reported that the engineers estimated by the sufficient to making any substantial incompating in a dam, it was reported to the sufficient of the engineers estimated by the sufficient of the engineers estimated by the sufficient of the engineers estimated by the sufficient of the expectance of the sufficient of the expectance of the sufficient of the expectance of the sufficient of the reservoir for the sufficient flact of itself esservoir to the sufficient of the reservoir for the sufficient flact of itself esservoir would care filling of the reservoir for the sufficient flact of itself esservoir would care filling of the reservoir would care place as pre-

would consequent hands erbsion and from energy method on the fast flow of the river below the fast flow of the river below the fast flow of the river below the dam, engineers said so that a series of low dame of the the rook revetments.

HOWEVER TOK Shirt Sediffer tation, it was pointed out it would be necessary for make the first dam to be built that infinediately below Garrison Dam, moving later to construction of as many as theed or four others down on the horizon and the sediffer dame.

Patford said was a first that infinediately have no intention to a first later than the study of the first later than the said of the said was for points as they was for the said first study.

Mork said revineeds of tall meeting fairly soon of the Missouri Blane Development association and the righteers on the lowbead fairly show will be discussed the winds to go from the dame of the riverse lowbead fairly show will be discussed the winds to go from the dame of the riverse lowbead fairly show will be discussed the winds to go from the dame of the said.

## Basin Reservoir Storage U.S. Senate Unit Power Up Over a Year Ago Holds Hearing On OMAHA—A normal pattern of port. The increase to a new high feet over the total storage on the winter operations at the main elevation at Oahe permitted reservoirs capture of high winter power reprevailed during the month of Jan leases from Garrison Reservoir near Yankton. S. Prevailed during the month of Jan leases from Garrison Reservoir near Yankton. S. Increase we have the main stem.

OMAHA — A normal pattern of port. The increase to a new high feet over the total storage on the winter operations at the main clevation at Oahe permitted re-same date a year ago.

storage during the 30-day period, spring. bus system storage over-all re- Total water in storage at mid- adequate winter discharges on the mained substantially unchanged night Jan. 31 was 21 million acre- lower Missouri River and to meet

stem Missouri River reservoirs capture of high winter power re- Water releases from Gavins prevailed during the month of Jan-leases from Garrison Reservoir in Point Reservoir near Yankton, S. uary 1950 the dustop reference of the content of the month of Jan-leases from Garrison Reservoir in Point Reservoir near Yankton, S. training the month of the main stem trol Center reported Thesay.

The next pair of Reservoir pool will be used to meet increased to move the main stem will be used to meet increased 10,000 cubic foot per second range near Pleira. S. D., gained some lower river requirements in the during January. This contorned to

over the previous December re-feet, approximately 1 million acre-winter system power operation

#### Loveless Asks Flexible Programs for Missouri

communities were urgea by Gov. future. Herschel Loveless of Iowa Mon-l day in an appearance before the fairs Committee.

and needs,"

#### 10 Leaving Engineer Staff

son district in a farewell greeting the Missouri River. by Cola Lynn W. Pine, Garrison District Engineer, during the bi-

he Riverdale theater. John Goctz, construction division, tion season is based primarily on Valla Walla, Wash., district: Bill releases from the reservoirs loteb, engineering, to Walla Walla cated above Sloux City.

WASHINGTON IN - Flexible that total demands on the water programs to meet the changing resources of the Missouri Basin the reservoirsely needs of Missouri River Pasin' will increase substantially in the from Gavins Point totaled 625,000 acre-feet alt of which passed through the policy which passed

"MY PRIME re-emphasis then, Senate Interior and Insular Af-is upon further development of total resources," Loveless said. He said his appearance before The governor told the committee the committee was based upon a that because of the growing deconviction "that these needs must mands for electrical energy and be re-evaluated and that, as governor of one of the most populous in the amount of water resources states in the basin, I have an oblgation to represent those views and municipal use, "the time has now come when we need to re-He said it is well established examine some of the fundamental assumptions underlying the development of the basin."

> He said that according to estimates by the Missouri Basin Inter-Agency Committee almost 10 million acre feet of water will be required annually to maintain adequate flow for navigation purposes as measured in Sioux City.

This amount, he said, is in addition to that required for public health and stream sanitation pur-RIVERDALE' Ten employes poses. He said that at the present who will be Having Riverdale with-time the Mississippi River is carn the next month were praised for rying about 10 times as much heir "faithful service" to Garri tonnage on an annual basis as is

BUT HE SAID that on the Misnonthly safety meeting held at sissippi River the ler th of season is based upon weather conditions Those transferring to other jobs: while on the Missouri, the naviga-

scheduled requirements to sustain

Total power generation at the

January operations for each of

Gavins Point January releases

energy generated at Gavins Point

in January emounted to 24,000.000

kilowatt-houis. http://
Fort Randall re-

leases totaled 600,000 acre-feet in

January, all of swhich passed

through the power furbines. Power generation at Fort Randall in Jan-

uary totaled 57,000,000 kilowatt-

Garrison - The month's releases

of water at Garrison totaled 800.

000 acre-feet, all of which was

used for power generation. Total

generation at Garrison in Janu-

ary was 90,000,000; kilowatt-hours.

Fort Peck envTotal power gen-

eration at Forty Recka during the

month was 52,000,000 kilowatt-

hours, with releases amounting to

412,000 acressifeet, pall, passing

through the power durbines. Records of the Reservoir Control

Center show that a total of 223,-

000,000 kilowatt-hours of electricity

was generated at the four main

stem plants in January. The peak

coincidental power generation was

482,000 kilowatts between 5 and 6

Operations in February 1959 will

follow the provisions of the 1958-59

annual operating plan agreed upon

by the Coordinating Committee on

Missouri River Main Stem Oper-

ations at its meeting on Sept. 13.

p.m., CST, on Monday, Jan. 5.

four operating power plants in January, 1854, appounted to 223 million kilowalt, hours, a 15 per cent gain in power production over that

in January 1958.

Interior Committee heard testimony, Friday from Missouri Basin power customers about allocation problems and pleas for bringing in

more power, dames E. Murray (D. Chairman dames E. Murray (D. Chairman dames E. Murray) Mont) said tentative allocations indicate there will not be enough

power from Missouri River danis to supply even the preference customers such as cooperatives and municipalities.

Sources of the power are Fort Peck Dam, long in operation but now adding generating facilities, and the new dams and reservoirs-Garrison, Oahe, Fort Randall, Gavins Point and Big Bend.

PRESENT POWER output of 540,000 kilowatts from these dams is already allocated Another 450,000 kilowatts will be sided during the next three of the years as construction work things and more generating facilities go on the

Power experts say the million kilowatts of firm power, or that available at all times, is all that can be depended upon even though there is a potential of about 1,600, 000 kilowatts if all generators run at capacity.

#### 'Not Fair Share'

WASHINGTON W-Sen. Mike Mansfield (D-Mont) said Friday that under present allocations upstream states aren't getting a fair share of Missouri River Basin power as Senate hearings opened. "By the winter of 1963," Mansfield said, "there will not be enough power to meet the needs of our preference customers. It is time the unstream states were heard."

There have been suggestions that the million kilowatts of firm power be extended by allocating power

WASHINGTON UT - The Senate FTHEDICOMMITTEE has asked 'Assistant Secretary of the Interior Fred G. Aandahl, in charge of allocating of power from the Missouri River dams, to testify March 5.44

Aandahl in 'tentative plans has laid down a policy that preference customers throughout the power marketing area of the basin should be treated on an equal footing regardless of geography.

The committee on Saturday expects to hear witnesses from southerfr Idaho and the upper Colorado area about power marketing problems.

Those scheduled to testify Friday included Kenneth Holum, Aberdeem SmDavexecutive director of then Midwest Power Consumers Assn. of Charles Mahoney, Jordan, Mont.p for Montana Rural Electric Coldo Henry Swenson, Columbus, Na Dr. Upper Missouri Basin Gentrating and Transmission Co-op S. A. Forseth, Williston, N. D., Williams County Electric Cooperative Assa.: 9: Virgil "Hanlon, Madison, S. Dar Bast River Electric Co-op; William . T. Trommerhausen, Abetdeen, Midwest Power Consumers Assn.: Telford Anderson, McKenzie County, N.D. Electric Co-op; Robert St. Cyr, Sidney, Mont., Lower Yellowstone Rural Electric Assn.; Oscar Bergman Jr., for the Valley City, N.D. municipal system; and Joseph Grimes, South Dakota state engineer.

#### Chamber-Slates For Law Pine

A farewell danger honoring Col. Lynn Pine, Gardson district engineer of the Corps of Engineers, has been scheduled at Riverside Colo.; Paul Tobin, operations, Den- | De a audicient quantity or water ver; Wallace J. Samuelson; en. available so that navigation gineering, Denver; Spencer p leases can be started earlier. Farrington, supply chief, Wash- He said that as soon as the nine Little Rock; Roy Dory, chief, reat ly.
estate division, retiring after 32 ly.
years, of federal service. The farringtons, Duschas, Barbours re-examine the possibility of con-

dale. The others will be going beore the end of March.

Mrs. Christine Ware was awardies should determine that a slack
water system is feasible. It think
it is entirely reasonable that the
water system is feasible. It think
it is entirely reasonable that the
mary 1956, and Robert Palagi, office
serve the purposes of the basin
are sice chief, received a letter of
commendation for good work dury
ing the past year. Joe Griffin was
given a \$10 award for a suggestion
o improve the service. o improve the service.

available so that navigation re-

nglon, D.C.; R. G. Barbour, comp. foot channel can be provided beroller Little Rock, Ark., district: tween Kansas City and Sioux City Mrs. Clarine Barbour, librarian, cargo tonnage transported on the Little Rock; Roy Dory, chief, real Missouri will increase tremendous.

and Dorys now have left River verting the Missouri River to a iale. The others will be going be slack water system of navigation.

system and probably could be kept open during the longer transport

ing February. Releases from the other reservoirs will be genred to power generation requirements. averaging 8,000 to 9,000 c.f.s. at Fort Randall; 10-15,000 c.f.s. at Garrison and 7,000 c.f.s. at Fort Peck. Little change in reservoir levels is anticipated by the end of February except for a moderate rise at Fort Randall.

THE COMMITTEE likely will hear demands from some groups close to the new big dams in North Dakota and South Dakotakithat close by customers should be allocated extra amounts of power.
These groups contend that large areas in the two states and the flooded by the mammoth the ervoirs and customers in the region should

and customers in the region should have some preference.

A spokesman for the committee said questions also have been raised about the amount of water that is being released during the summer months to aid downstream navigation with the first that is being released during the summer months to aid downstream navigation with the first that the first t

Manual to the 1944 he water from tweet 1950 in the 1944 he water although the west of the 98th Meridian should be west of the 98th Consumptive also a fall the water from tweet 1950 in those states.

Leslie E. Maupin, committee chairman, said invitations to the informal stag affair have been mailed to the Chamber member-

ship.
Giving brief talks at the af-fair will be W. R. Williams, Chamber'bresident, who will extend well wishes to Col. Pine in his new assignment, and A. R. Weinhandl

ansignment, and A. R. Weinhandl who will outline the contribution Col. Pine has made to the water development program in Worth Dakotal L. Colling For the William on a new assignment that will eventually take him to Bullyia. He will hake a chronit course in Spanish at Minterey take him to be a present at U. S. military mission in over a U. S. military inission in Bolivia.

## Minnerpolis Company Low Bider Normal ratter of Weinter 12-59 Great Falls Tribune At Missouri Reservoirs Laring Of Peck Dam Upstream Work OMAHA-A normal pattern of warr 1959 amounted to 223 million

company of Minneapolis was low ings, \$430,650. bidder Tuesday at an opening in Fort Peck for upstream face repairs to Fort Peck dam, it was announced by Maj. M. R. Downes, Fort Peck area engineer.

Announcement of his will be made after evaluation of the bids by Col. Lynn W. Pines Garrison district engineer, at Riverdale, N.

The low\_bid\_for. the work was

### Coast Firm Low Bidder

For Gantry Grasgow Courier 2-5-59
Montana Seni James E. Murray of All Montana Seni James E. Murray of Montana Seni James E. Montana Seni James E. Murray of Montana Seni Grasgow Courier 2-5-59

sion, of Manning, Maxwell; and tem, \$10,000. Moore, Inc., Muskegon Height, A report from the Engineer office Mich., \$65,625; Moffett Engineering at Fort Peck said the Work has Inc., Albany, Calif., \$53,278] Harnischfeger 'corporation, Milwaukee, two fiscal years, beginning July 1, with 1863, ear 1960.

The later in gramp would be at the present hunching area, while morarch Forge and Machine Works, the access field project would proportand, Ore.; \$33,743, and Pacific vide an all-weather road to the constant of the present success and the present success and project would proportate the success and project would proportate the success and project would proportate the success and the work has been programmed for the coming July 1, with 1863, ear 1960. Coast Engineering company, Allaunching site, head, Calif., \$49,030; American Hoist Pacific company, Seattle, \$43,-the area around the closed shelter building, while the trees are pro-

tract is \$207,350.

quired to process about 29,000 tons

## The low\_bid for the work was \$240,700, and was among four entered. Other bids and bidders: Joint venture by Gus M. Albert and L. P. Anderson, Miles City, \$246,210; Platte Valley Construction company, Grand Island, Neb. \$330,310, and

office of the Corps Engineers Person, dependent upon appropriations by congress, are a mile of The Cyclops bid \$25,352,475. The access road, estimated at \$13,800; other nine bidders. The Whiting boat launching ramp, \$3,500; a parkcorporation, Harvey, Ill., \$60,835; ing area, \$4,365; tree planting, ShawlBox Crane and Holst Divi- \$6,000, and a portable irrigation sys-

Mich., \$65,625; Moffett Engineering at Fort Peck said the work has

posed for that same area and for the tent and trailer parking area.

The portable irrigation system would be used at various parts of the recreation area where trees are l planted.

Government estimate for the conface of Fort Peck dam. Work will prevailed during January. January 1958. be done in areas not covered by pre- The new Othe Reservoir pool January operations for each of

Construction Peter Kiewit Sons' company, Bill- ernment stockpile at Fort Peck, then winter operations etc., the manufacture of the stem Missouri River, reservoirs in power production over that in

ings, \$430,550.

The successful bilder will be required to process about 29,000 tons of quarry rock located in a govofor quarry rock located in a govomust be completed on or before May
for government. Work
must be completed on or before May
for government warry to government. Work
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follow the provisions of the 1958,5 Annual Operating Plantagreed upon by the Coordinating Committee on Missouri River Main Stem Reservoir Operations at its meeting Sent 18, 1958. Gavins Point releases will be maintained at a general level of 8-10,000 cubic feet per second dur ing February, Releases from the other reservoirs will be geared to power generation requirements averaging 8,000 to 9,000 cubic feet seconds at Fort Randall; 10-15,000 cubic feet seconds at Garrison and 7,000 cabic feet seconds at Fulf Peck datte change in reservoid levels is anticipated by the end of February except for a moderate rise at Fort Randall.

## Billings Gazette

COLORADO SPRINGS, Colo. (AP) — Plans for a construction season involving 125 million dollars in design and construction programs for 8 states will be studied at an Army Engineers conference.

The two-day meeting at the Broadmoor Hotel will open Thurs-

From 30 to 40 persons will be present, including area engineers from three Missouri River dams and project construction chiefs for intercontinental ballistic missile bases at Denver, Chevenne and Omaha.

Gov. McNichols will address the meeting Thursday. Col. D. G. Hammon, Omaha district engi-

## etter Management of pper Missouri Sought

WASHINGTON -(UPI) Power | 'firm up' additional river hydro and water users from the Upper Missouri Rivers Basin Friday urged! Congress to provide better management for the resources of the Missour River.

Willesses before the Senate Interioti Committee said future plan-Ting hampered by divided responsibilities under the present Etup Many of the witnesses were representatives of rural electric coops.

2 The co-op witnesses complained of anadequate supplies of power allotted to them in the fulture plans of the Interior Department's Bureau of Reclamation. Several suggested that steam genration of power should be used to

power.

Kenneth Holum, exécutive direc: sumers Association-and organization of co-ops and other groups which gets priority of federally. Ralph Herseth. produced power-said "wise and J. W. Grimes, chief engineer for mation to serve all the requests aling problems are created by trygation projects.

all, Holum said. He said the Buread of Reclamation has the responsibility to supply power, while the Army Engineers determine. ineffect, how much power will be produced, 🚁 🗈

Holum stid Congress should authorize should authorize shoules of "slack water" navigation for the Valley—a point tor of the Midwest Electric Cons also stressed in a statement placed in Beschmuitfee record on behalf of South Dakota Gov.

oroper management of the re the South Dakota Water Resources sources of the basin will make it Commission, told the committee, possible for the Bureau of Recla- that ipresent Missourl River operof the preference customers" for ing to do too much with mot the present without harming irri- enough . . . commitments for ter service are beyond the ability "Divided responsibility means of the water supplies to furnish."

## Dendiors Flear Hiers

Senate Interior Committee Missouri Basin power cusproblems and pleas for bringing in more power.

testify. They include S. A. For Aberdeen, S.D., executive direcseth, of Williston, q Williams Co. tor of the Midwest Power Consein, of Williston, Williams Co. For of the Midwest Power Con-Electric Cooperative Assn.; Hen-ry Swenson, Columbus N. D., Up-per Missouri Basin Generation and Transmission Cooper Telford and Transmission Cooper Telford Ion, Madison, S.D., East River Anderson, of M. c. Kenzie Co., North Dakota Electric Cooper William T. Trom-North Dakota Electric Co-op, merhause M. Aberdeen, Midwest and Robert St. Cru of Sidney Power Columbus Assn.

and Robert St. Cry of Sidney, Power Colsumers Assn.; Oscar Mont., Lower Yellowstone Rural Electric Assn.; Power Colsumers Assn.; Oscar Bergman, Jr., for the Valley City, N.D. Municipal system; and Joseph Grimes, South Dareck, Dare

000 kilowats from these dams is already allocated.

Another 450,000 killowatts will be added during the next three or four years as construction work continues and more generating facilities go on the line.

Power experts say the million killowatts of firm power, or that available at all times, is all that can be depended upon even though there is potential of about 1,600,000 kilowatts if all generators run at capacity.

There have been suggestions that the million kilowatts of firm

The amendment says states west of the 98th meridian should have preference in consumptive use of the water from rivers rising in those states.

The committee has asked assistant secretary of the interior Fred G. Aandahl, in charge of allocating of power from the Missouri River dams, to testify Mar.

Aandahl in tentative plans has laid down a policy that preferpower marketing area of the basin should be treated on an hears testimony today from equal footing regardless of geo-

The committee on Saturday extomers about allocation peets to hear witnesses from souther Idaho and the upper Colorado area about power marketing problems.

Others scheduled to testily to-N. Dak, area are scheduled to day include Kersenting direc-Power Colsumers Assn.; Oscar

RIVERDADEL TREAMER executive officer of "Garrisand District is scheduled toobe Cant Howard L. Strohecker, Col. Lynn W. Pine, Garrison District engineer, has been advised by the department of the army. Capt. Stroheckereis due to arrive at Riverdale date in August, He will succeed Capta Mal-colm D. Johnson whos this oyear is confileting to two Rear flaur of duty at a Riverdale 101 Carp tain Stroheckert is a graduate of , the U.S. Military Academy, at West Point and Engineer Officers' Advanced Course, and holds degrees in military and civil engineering.

Minot (N.D.) Daily New 13 February 1959

No Easy-Way

#### Madle Ground" Answer For Education, Col. Pine Feels

RIVERDALE - A correlation the mentality? Should we take between this country's national se-these and other measures to precurity and its educational pro-vent wastage of the God given gram was brought out candidly talent which the nation and free Thursday, night by Col. Lynn W, world need so badly at this time?" Pine, Garrison district engineer "I'm convinced we will and Pårent-Teacher Assn.

ed this past year of self-analysis said. "But we can't accomplish, and debate are that national security and education are tied up in least resistance." one tight package," Col. Pine told! He described individuals who his PTA audience.

the other . . ."

The fate of the nation and the national bankruptcy."

dare continue the hoop-skirt theory of education — cover-ing everything and yet touching "We felt like a football team nothing. Or must it be abandoned whose quarterback had; been and the curricula beefed up by caught flatfooted in the backfield

for the Army Corps of Engineers, must strike upon a solution in the happy 'middle ground' that will at a meeting of the Riverdale serve both our national security and internal advancement econ-"The overriding lessons we learn-omically and culturally," Col. Pine

decry the growing expenditures for "One cannot succeed without education as persons who "would frighten us with the bogeyman of

free world rests largely on how When this county learned of the well or how poorly we in America scientific achievement of the Rusconduct our education and reli-sians through, the launching of gious processes in the coming Sputniks and ICBMs, the immedi-years tie word. years, ite said.

How ver, Col. Pine emphasized, the by diestion is, "can we or gained an advantage not only in

emphasis on mathematics, soil by opposition linemen and thrown lence and other studies that lax for a tremendous loss." Because the Reds reveal only what propaganda, will, serve them best, it is difficult even how to evaluate where the two countries stand in comparative educational

programs, he said. One thing certain, the pressure is still on despite our determination not to be satisfied with coming out second best," he declared.

Pointing to records that show the Russians are graduating many more students than the U.S. in the physical sciences mathematics and engineering, Col. Pipe aid, "I'm not saying we should match their figure, but we can't ignore it."

Col. Pine said he believed the U.S. may have to divert a darge portion of its output to national security, as well as to education.



for steam power or exchange ag-

The committee likely will hear demand: From Some groups close to the new big dams in North and South Dakota that closeby customers should be allocated extra amounts of power,

These groups contend that large areas in the two states are being flooded by the mammoth reservoirs and customers in the region should have some preferance.

A spokesman for the committee said questions also have been raised about the amount of water that is being released during the summer months to aid downstream navigation.

Those opposed to such use of the water point to the O'Mahoney Millikin amendment to the 1944 basin authorization act.



VIEWS PLANT SITE — The newly-appointed president of North Dakota Nitrogen Co., George C. Van Nostrand of New York City, came to Riverdale this week to take his first look at the site of the new \$15,000,000 agricultural chemical plant his company proposes to build below Garrison Dam. Van Nostrand is pictured at right. Pictured with him, left to right around table, are Col. Lynn W. Pine, Garrison District engineer; Harry W. Dennis, vice president of Chemical and Industrial Corp., Cincinnati, Ohio; Les Munson, office manager for North Dakota Nitrogen at Bismarck; and Cecil Lashley Chemical (engineer for C & I. Negotiations for the government's lignite stockpile and other Riverdale facilities are proceeding satisfactorily, the officials reported. It is expected that construction of the plant will begin in the spring. Van Nostrand and his family will reside in Bismarck.

b decisive in the determination of the size of defense budget representing 10 to 15 per cent of the gross national product, or even more. Certainly imposition of arbitrary cuts in expenditures followed by crash programs is not conducive to improvement of military management and may work to the detriment of programs vital to the welfare of the people education, for one thing."

It is up to the people of this country to find a solution to the problem, he said.

"Really," Col. Pine salid "it's not nearly as important that; we ive comfortably and efficiently as it is that we learn to live to gether, for we must live together twe are to live."

ng irrigation to harth Du kofa is to get the approval of Con-

kofa is to get the approval of Congress of the Garrison Diversion Unit and the money to start its construction. Mark, Andrews of Mapleton, N. D., said here Wednesday. It was president of the North Dakota, Crop Improvement Assn., spoke at the winter meeting of the Northwest Farm Managers Assn. Andrews is also a frember of the Garrison Conservativy District's board of directors, representing Cass County.

North Dakotans have indicated that they are ready to accept their responsibilities in connection with the Garrison Diversion Project and want its early development, Andrews said.

"We have an additional job to do if we are to realize this vast development in our state—that of convincing other states and the Congress of the United States of our need and desires," he said. "Some progress has been made in this direction.

"Much remains to be done if all the United States, are going to join hands in working toward the full development of this essential resource for the benefit of the entire nation the year, the

\* cesesproved. Andrews I noted that North Dakota's economy, is based almost entirely on its agricultural produc-tion, principally dryland. He salf irrigation development in central and custern North Da-

kota of lever one million acres of land wideh will be integrated with an additional three to four million acres of dry land farming will materially licensed and stabilize the projection is only these acres of the land stabilize the projection of the land stabilization of the land stabil

this area to diver approximately 150 100 area to diverse and find now devoted to the property of surplus wheat to district a feed gening Chirison Diversion Unit is expected to provide a basis for an additional 3,400 new farms in the project area. There now

HELENA Hugh K. Potter, state director of the district of th detailed investigation to make a detailed investigation on ice gorges and winter floors, of the Missouri River in Town

In a deflet ged by Mansfield the of the chief of

englisers said the bureau of reclame on report on flooding in

Initiation report on flooding in Tow send, recognizes the situation but there appear to be no direct relationships however such flooding and the buffar of reclamation's Canyon Ferry Probability for first her investigation that the constitution of any remediate of the constitution of any remediate of the constitution of the c

with the corps of engineers."

According to public law 685, authority is available for the chief of engineers to investigate, and construct small complete flood control projects provided the federal cost for eath, project is limited to not more than \$400,000.

"Lands near the highway and railroad bridges in Townsend are flooded in winter months, Potter explained, "when ice forms on the Missouri River."

## Colonel Pine Wil of To Engineer Society

Col. Lynn W. Pine leaving soon ing for the Army language sorted for a new assignment following and then to LaPaz to become chief district engineer for the U. S. Army sion to Bolivis. Coipe of Engineers; will speak on "Friends of Colonel Pine and those fense" at the monthly meeting of the Upper Missouri post, Society of American Military Engineers, next Wednesday night in the Glasgow Elks club. His talk will be preceded by dinner and a social hour beginning at 6:30.

This will be Colonel Pine's last visit to this vicinity before depart-

Industrial
Need Told To MBIAC

KANSAS CITY (A) - James D. Idol, director of the Missouri Division of Resources and Development. Wednesday called for more attention to industry and recreation in planning and operating the Missouri River Basin.

In an address prepared for the Missouri River Basin Inter-Agency Committee, Idol said "big industrial water users are disturbed by control practices or regulations that cause or can cause stream flow fluctuations of large variance."

Mineral discoveries and new industries should be seriously considered, along with flood control, and navigation, in all future discussion and planning, he said.

Joseph Jaeger Jr., director of the Missouri, Sate Park Board also spoke before the committee, which represents the Missouri Basin states of Missouri, Kansas, North Dakota and South Dakota Mon tana, Nebraska and Iowa and cooperating federal agencies;

three years service as the Garrison of the United States Military mis-

Education and the National De interested in the society, who are not members, are welcome at this meeting," said the program chairman, George Price. Reservations may be made with him at Fort Peck before noon Tuesday,

> Colonel Pine has been Garrison district engineer, with headquarters at Riverdale, N. D., since April 1, 1956. He came to North Dakota from a post as troop commander at Kaiserslautern, Germang.

> He has been in the Army about 18 years, holding commissions from captain to colonel. Besides his service in western Germany, he has fulfilled assignments in Japan, the Panama Canal zone, Turkey and France, with tours of duty also at the Pentagon, Washington, D. C. and the Command and Staff school, Fort Leavenworth, Kan. Before he entered military service, Colonel Pine held several civilian positions with the Corps of Engineers.

Shortly after he arrived at Riverdale, the Fort Peck and Garrison districts were consolidated, which gave the Garrison district jurisdiction over the Corps of Engineers civil works in Montana east of the continental divide, western North Dakota and northern Wyoming.

Colonel Pine is a native of Illinois and a 1930 graduate of the University of Illinois with a degree in civil engineering. He has been active in the affairs of the Society of American Military. Engineers in both North Dakota and Montana. It was largely through his efforts that the first North Dakota post at Riverdale was established and he assisted materially in the formation of those at Minot and Bismarck, N. D., and Fort Peck.

Glasgow Courier
Gil's Paint Shop of Lewistown was low among 11 bidders for painting the Fort Peck hotel interior company, Tacoma, Wn., \$4,487; when proposals were opened at the Fort Peck area office of the Corps of Engineers Tuesday afternoon. The low figure was \$2,250.

Dickerson Paint shop, Stevensville, \$3,190; Olson Paint and Glass coiled pany, Havre, \$4,220.97; Rodgers & Haliograph Paint and Class Coiled pany, Havre, \$4,220.97; Rodgers & Haliograph Paint Pai

Maj. M. R. Downes, area engineer, said that after the opening, all bids were sent to the Corps' Garrison district office in Riverdale, N. D., for evaluation.

. The government estimate on the project was \$3,627.18.

r 2-19-59 Other bidders and bids:

Allied Painting and Decorating pany, Havre, \$4,220.97; Rodgers 10. Halverson Decorators, Sidney, 33. 100: A. Shelgren & Son. Inc. St. Paul; \$4,995; Towner Lumber company, Towner, N. D., \$2,465; Lyle O. Hammatt, Great Falls, \$4,989; Grover Augustine, Williston, N. D., \$2,2 857; Teri Len Paint company, Glas-

gow, \$4,943.75, and Berg Decorating. company, Miles City, \$2,744.

Sheridan Proposes

Sheridan is investigating the post sibility of a combined drop stude ture and Lewis street bridge linder the local flood control project, this Manager Maurice E. Cole said to day ert State : Banne : ffeten blen Col Lynn Pine of the Army engineers, Garrison district, has been contacted by letter, and copies sent to: Wyoming's Congressional delegation. Cole said. or Sen. Ol Mahoney and Sen. Mc-Gee have written stating they are asking for a report from Pine Colected of the parmy t engineers have previously inspected the idea because of lack of clearance for the bridge." But he added, the city. feels some additional clearance can be provided.

rate kesis on kongrup,

### Colonel Pine Makes arewells alk At Meeting Of Engineers Society

"The fate of our nation and the only the eggheads can get us to the than those to attract the cream free world rests largely on how well moon. or how poorly we in America conduct our educational and religious processes in the coming years."

Lynn W. Pine of Riverdale, N. D., curricula beefed up by emphasis on Garrison district engineer, Corps of mathematics, science and other ence told me a recent state educa-Engineers," at a dinner meeting of studies that tax the mentality? the Upper Missouri post of the Soclety of American Military Engineers in the Elks club here Wednesday night.

· It was in the nature of a farewell address for Colonel Pine, who is scheduled soon to end his tour of duty in the Garrison district. After studies at the Army Foreign Language school, he will go to LaPaz, Bolivia, as American military at-

Colonel Pine said in part:

"Exactly how we're doing at this moment in comparison with our cold war enemy isn't entirely clear because the Reds reveal only what will serve them best as propaganda. One thing certain, the pressure is still on despite our determination not to be satisfied with coming out

second best, Colonel Pine said.
"The over ding tessons we learned this past year of self-analysis and debate that national security and edication are tied up in one tight package. One cannot succeed national shape and education of our your same that basic reforms are indicated if American education is 150 meet the demands of the present and future; that the much deridad American is the community of the present and future; that the much deridad American is the community of the present and future; that the much deridad American is the community of the present and future is the community of the present and future. without the cother; that adequate much derided exphead is a pretty good guy after all; that a split-T salaries paid teachers. Few chal-

dare we, to continue the 'hoopskirt' theory of education-covering ev- plants from bottom to top, and erything yet touching nothing. Or make a federal project out of parts This was the declaration of Col. must it be abandoned and the of the job.;

> "The critics maintain that the luxury of 'permissiveness' in socalled progressive educational practices is something the nation can no cannot wait for future citizens to longer afford. They maintain that bring peace and a better world. Unthe security of our country and the less we know how to deal with to-population must be the overriding day's problems today, he said, there consideration—that discipline and may be no future for our young litures will impair critically econthe security of our country and the less we know how to deal with tothe proper channeling of the students' efforts must be the educational watchwords of the times. With that I think we're all inclined to agree, within certain limits.

> "On the other hand, there is a school of thought that counsels caution in the matter of going overboard frighten us with the bogeyman of of military management and may on science, mathematics and engineering. They point out that in a cant' eat our cake and have it, too' vital to the welfare of the peopledictatorship such as Russia, educa- or, it has to be guns or butter, but education, for one thing. tional results can be gained by not both'." government edict and subsidy, but in the process cultural and religious development go to the boards. This school contends that if we ape Russia in her regimentation of youth we it is quite possible to have both inwould fail miscrably in the development of the whole man and our democratic concepts would go out serve both our national security and howlers. After all, our gross na-

"One of our problems is the low coach can get us the Rose Bowl, but lenge the assertion that we must

"The big question is, can we, or curricula, provide scholarships to apt students, expand our school

"Another educator of wide experipeople.

"To the advocates of these widespread outlays for education and national defense many glibly answer, "What are you going to use for money? Where is it to come ditures followed by trash programs from?' People who so answer would are not conductive to improvement national bankruptcy. They say, 'We work to the detriment of programs

means is that black, or that simple. Eminent economists point out that defense as long as our gross national product increases at an annual rate of some five percent or more. Their figures are just as convincing as those of the calamitytional product for just one year far exceeds our national debt. Our indebtedness, when viewed in relation to gross national product, does not appear too formidable.

"With only six percent of the world's population, we own 50 percent of the world's wealth. We own 29 percent of the world's railroad mileage; 71 percent of its automobiles; 52 percent of its radios. We produce more food than we can eat. How could we think of calling quits and resigning ourselves to fatel!

One of the things we're up against is the fact that Russia gets more military worth than the

tainly can't depend on such good fortune. To count on them would be foolish and probably disastrous.

"We need a government which is determined wand imaginative in leadership and efficient in admin-istration Bue the Strength of the United States feets overwhelmingly in the public and its fesources.

"Fear that a high defense burden will weaken the economy has been exaggerated and should not be detion convention that the people of cisive in the determination of the the United States must inaugurate || size of a defense budget representa wide system of free adult educa- || ing 10 to 15 percent of the gross tion; that we don't have time and | national product or even more. There is no factual basis for the nation that we are within reach of

omic growth.
"We must strive to maximize the amount of security that each de-fense dollar will buy; Certainly imposition of arbitrary cuts in expen-

"We can thank heaven for the "While there's some truth in nuclear stalemate which is buying what they say, the picture by no us precious time today. In this time we must keep strong and still strive for far-reaching international guarantees that can result in graternal improvement and adequate dual disarmament. As time goes by we must grasp at every means available that will work toward the creation of international confidence. It may be that one short step can be taken at a time. This may take years, but most any measures short of suicide are preferable to setting the world on fire by nuclear war.

"In the last year we have been somewhat shockingly brought to the realization that "pioneering" is not over; that we now are faced with the exploration of infinity. The great mysteries of the Milky Way; the planets, the Moon-so long surrounded by the supernatural, will rapidly, become everyday and pro-

saic. "Only time will tell what we as a world society are going to do with the opportunities before us. It is reasonable to presume that the constructive | efforts | of men of good mill . will " modually - land" mon.

less per many on pay, subsistence, comfort and safety of military personnel. At the expense of consumer goods industries, she employs her most productive resources in her defense industries—the best workers, matagers and scientists and the entire reconomy is oriented toward do not understand how desperate supporting defense and seconomic their estate is, the answer may be best lequipped factories. Second, her growth and not toward satisfying consumer wants. consumer wants

"And dwelling for a finding of the balance they trust their experience. They believe that history is on their side and that they are on the side of the future. They believe that history is on their side and that they are on the side of the future. The future of the future of the future. The future of the future of the future of the future of the future. The future of the future of the future of the future of the future. The future of the future. The future of the future o

tion that education and reugion the keys? The meet of last !

"We have had a powerful and an abiding experience as a nation—one which, in this present crisis, bubys us with hope. To those who have decided that the American people that with death hanging in the balance they trust their experience;

that our nation shall and ire "."

Wat Key to N. D. Growt

Development of Nurth Dakota water resources is up to the residents of the sate, Robert J. Timm, assistant state engineer with the State Water Conservation Commission, said Monday,

Timm spoke on the topic "Why Water?" at the Bismarck Exchange Club meeting and appeared in connection with National Englneers Week, which is ponsored annually by the National Society of Professional Engineers aw ear. "Timm" told Exchangites that development of the Garrison Diversion Unit, taking water from the

Garrison Reservoir to irrigate some 1,000,000 acres of North Dakota crop land, would be a "springboard for industrial development in the state which would actually amaze all of us."

HE SAID one result of Garrison Diversion would be an increase of the state's population by 100,000

He said the Bureau of Reclamation has completed a report which indicates that Garrison Diversion, if approved by Congress, would have a benefit-cost ratio of 1.6-1, or, for every dollar invested the return would be \$1.60. He said this was taking into consideration the total cost of the project, esti-mated roughly at \$500,000,000.

· If North Dakota doesn't get the diversion project, Timm said, Garrison Dam, and Reservoir could be a definite liability to the state. He said North Dakota had already sacrificed 544,000 acres of land including 180,000 acres of rich Missouri bottom, land for the res-ervoir project.

TIMM LISTED THE Missoull River as the state's No. T water source, but he said the State Water Conservation Commission in connection with the U.S. Geological Survey was in the process of cataloging other water supplies in the state. He said the survey was being started in areas which will not get Garrison Diversion water such as the northwest corner of the state.

The state engineer said prelim-inary studies; in Markenzie, Wil-liams and Divide counties areas were encouraging.

N. D. Men to Seek

Garrison Report

A nine-man, delegation of North Dakota - water tesources - development leaders will meet with high government tilicals in Washing-ton Wednesday in an effort to speed congressional action on the Garrison diversion tinit.

Gov. John E. Davis will head the group, going to Washington from Biloxi, Miss., where he will attend a meeting of the Executive Committee of the National Governor's Conference Monday and Tuesday,

Main aim of the group will be to seek assistance in prying the Garrison diversion report out of the Bureau of Budget, which must pass on the project before congressional hearings can be held.

"The project has been under final review by the policy section of the Bureau of Budget for several weeks," Davis said, "and we feel it is imperative that this review be completed promptly and the project report sent to Congress."

Among the persons the group is slated to see is Gen. W. B. Persons, assistant to the President. Other members of the North Da-

Other members of the North Dakota delegation are:

Former Goy-Norman Brunsdale;
Roy-A. Holand Lamoure, chairman of the Arison Diversion
Conservation of the Market Water
Command the Command the Market Command the Command th

staff and Maurice H. Stans, director of the Budget Bureau.

The Bureau of Reclamation combleted its réport on feasibility of Garrison Diversion Steps Ah d

North Dakota Reclamation lead of food, and fiber that is needed, its ers have a right to be more opting refurns will be substantially greatmistic about Garrison Diversion per than its costs. That it will do prospects after their meetings this has already been well demon-with administration leaders in strated. Washington this week. But any might be pointed out that a thought that it's "in the bag" favorable report from the Bureau would be both erroneous and dangeroustles de

geroustick de daing to de la constitution de la con simple factothat, project abackers got a chance to talk to President Eisenlower applitud, tand in the knowledgesthat he showed a per-

sone interest moder in There is encouragement also in the fact that Bureau of the Budget officials found relatively few questions; behind which might be objections, to ask

volving the expenditure of many upon the legislation of the legislatio millions of dollars over a period The conferences Go ver mone of years. However, if it can help Davis and his group had with the to stabilize the area's economy, President and his policy makers and to divert land from growing may have been the most substancrops which are adding to expen-tial boost to early clearance the sive surpluses into the growing of project report has had.

of the Budget is not always essential to congressional approvalia However, Garrison Diversion is unusually large, and a declaration from the Budget Bureau, which amounts to a clearing house for the President's program, would be a tremendous stride.

It is important, therefore, that Congress get that report soon so that hearings may be held by the appropriate committees of House and Senate and so that the House The project is a huge one, in- and Senate themselves with pass

Short Writes Ike Mediusky Gazette do still On Importance of Garrison Project

North Datots Short declared in a letter to President Eisenhowersw. Ilsila Divotis 2'3

Short said the Diversion freject of-fers about the only possible solution for the large divisity of Minot and Devils Lake, Viaging a very critical water shortage II of Emunicipal purregire he remission.". sasoq

Going To Washington 2-21-59

N.D. Delegation Seeks To

Break Divers in Gold 19

BISMARCK (AP) DIVERS IN GOLD 19

BISMARCK (AP) DIVERS IN GOLD 19

delegation of North Dakold 192164 cresources development leaders will meet with high government of the comment of the delegation of the comment of the comm

He said that 18,000 gallons of water are meeded for every ton of ingot iron, and 65,000 more gallons are required to turn that ingot into steel.

HE SAID THAT to produce one pound of beef on the hoof requires! 3.750 gallons of water, including the water the steer drinks and the water required to grow the grass

the animal eats. The daily consumption of water in the United States Timm said. is 220 billion gallons, and figuring a 1975 population of 220,000,000 this consumption could be raised to 440 billion gallons daily.

Timm said that at the present time there are about 1,200 billion gallons of water available in the United States daily. The problem. he said, is storing and using this vast water supply.

decide now such a . project would fit into the national economy before Congress can proceed to act on a bill authorizing the project.

#### **New Garrison** Washburn Leader Exec is Graduate 2-26-59 Of West Point

Riverdale - The new Executive Officer of Garrison District is scheduled to be Capt. Howard L. Sfröhecker, Col. Lynn W. Pine, Garrison District Engineer, has been advised by the department of the army.

Captain Strohecker is due to arrive at Riverdale late in August. He will succeed Capt.

August, He will succeed Capt.
Malcolm D. Johnson, who this
year is completing a two-year
tour of duty at Riverdale.
Captain S. Johnecker, is a
graduate of the U.S. Military
Academy at West Point and Engineer Officers Advanced Course, a fid. holds degrees in military and civil engineering.

Tuesday.

pass on the project before !con-tor of the Budget Bureau. gressional hearings can be held. The Bureau of Reclamation com-

Gov. John E. Davis will head ter Commission: Balla Dushinske, the group, going to Washington Devils Lake, president of the Misfrom Biloxi, Miss., where he will souri-Souris Projects Assn.; Ediattend a meeting of the executive tor John O. Hielle, of the Biscommittee of the National Gov-marck Tribune; H. W. Lyons. ernor's Conference Monday and Jamestown; and State' Engineer Milo W. Hoisveen.

Main aim of the group will be to Other White House officials who seek assistance in prying the Gar-will attend the conference include rison Diversion report out of the Robert Meriam of the President's Bureau of Budget, which must staff and Maurice H. Stans, direc-

"The project has been under fi-pleted its perort on feasibility of nal review by the policy section of diverting water for irrigation from the Bureau of Ludget for several the Missouri River in July, 1957. weeks," Davis said, "and we feel However, the Budget bureau must it is imperative that this review decide how such a project would be completed promptly and the fit into the national economy be-project report sent to Congress." fore Congress can proceed to act Among the persons the group is on a bill authorizing the project.

lion acres of its best river bottom lands in providing a site for the Garrison Reservoir and a part of the Oahe Reservoir in South Dakota. "We feel it is only a fair exchange that our state be assured its proper share of the potential benefits from these reservoirs." Rep. Short stated.

Short said it is critically important that the Bureau of the Budget transmit its project report to Congress in order that hearings can be started. "Any assistance that you may see fit to give us." he wrote the President, "will be sincerely appreciated."

"I believe it is vital to the entire Missouri Valley power and irrigation picture that this program be approved as quickly as possible in order that proper consideration can be given to the use of power and water in all. categories and all areas; in plans for the future, it some the future is a first the future of the futur production of tagricultural products on ill regred land all right Directs is many pears away and hat manicrops that would be produced are not among those in over supply afeingt that as time goes on and our population increases, there is no question of the vital need for the increased agricultural production capacity.



Presentation of a silver tray to Col. Lynn Pine dimension for the colonel Wednesday evening. Looking

is made by Glen W. Benson, left, vice president of the Minot Chamber of Commerce at a farewell was held at Riverside lodge.

#### His Years In N.D. The Best, Col. Pine Observes At Farewell Dinner Gathering

The thought of leaving North fair arranged by the military af-months he will attend an Army Dakota is not a pleasant one, and fairs committee of Minot Chamber language school at Monterey, Calif. the time spent here has been "the of Commerce. most pleasant" in his lifetime, is Handed to Col. Pine, as an ex- he has had at Riverdale, and emthe declaration of Col. Lynn W. pression of appreciation for the phasized that engineers "exist to Pine, Riverdale, Garrison district work he has done, was a silver serve" the nation and its people, engineer of the Corps of Army piece on which both his and Mrs.

Pine's names were engraved.

Col. Pine paid tribute to the staff

History of work in "harnessing" the Missouri river, climaxed with He expressed his regrets at de-parture at an informal dinner leave Riverdale on a new assign- was sketched at the dinner meetmeeting Wednesday evening at ment which eventually will take ing by A. R. Weinhandl, who has Riverside Lodge in Minot, an af-him to Bolivia. For the next six been active in water development work. The cooperation given in water work by Col. Pine and his predecessors at Riverdale was described as "wonderful" and grate-fulfiess was expressed by Wein

Lyle Swigart, Chamber of Com merce manager, saying that Col. Pine has been a good "military friend" of the Chamber, introduced Vice President Glen Benson, who made the presentation of the silver piece.

Presiding at the dinner was Leslie E. Maupin, chairman of the Chamber Military Affairs commit-

News 3-7-59

We'd like to add some words to those speaker

which have been spoken in the way of testimonial to Col. Lynn W. Pine, who is leaving the post of Garrison district engineer after approximately three years of service at Riverdale.

speakers, and sparking the activities of the post.

Of less importance than some other things, but something that needed to be done, and was, was the prompt action by Col. Pine in disposing of a long unsettled dispute between the government and the

of the construction work had been done on Garrison dam, under the direction of his five predecessors, Col. Pine has not been an executive who did nothing but park his feet on top of the desk.

As a matter of fact, he has been a very busy man, and is due commendation for accomplishments which required a man of intelligence, diplomacy and patience to achieve.

Among other things, Col. Pine brought to a conclusion successfully many months of negotiations with the city of Williston over costs of municipal relocations and construction.

Also, he went a long way toward giving a big boost to the industrial aspect of North Dakota by arranging for disposal of the lignite pile at Riverdale, for use by a fertilizer concern.

The name of Society of American Military Engineers became conspicuous as a result of work Col. Pine did in conjection with the Riverdale post. He did ian outstanding job in lining up "name"

on the John Moses Veterans Administration hospital in Minot.

As Garrison district engineer, Col. Pine has been what might be called the "boss" of two of the world's largest earth dams—Fort Peck and Garrison. It was after he came to Riverdale that Garrison district was expanded to take in Fort Peck.

The uniform of an army officer tends to lend dignity to the person wearing it, but those who became acquainted with Col. Pine found that while he was a dignified and capable individual he also was a humble man and in civilian dress could radiate friendship, while still maintaining dignity.

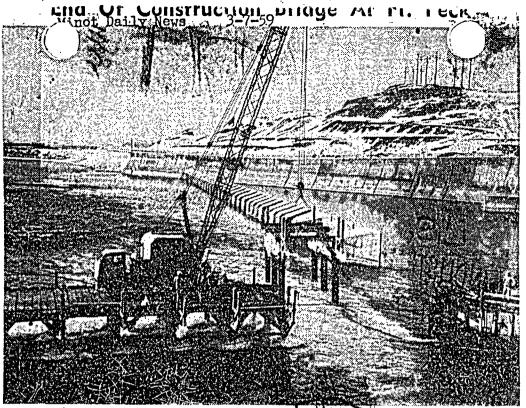
The colonel hasn't forgotten he was born as a farm boy—and that it is a pretty good country which he serves and has honored him with high military rank.

Dignity and humility are two fine traits to be found in any person, and Col. Pine is a good example of a very successful blending of both.

from an assignment in Germany, will be succeeded by Lt. Col. Walter W. Hogrefe, who comes from Korea.

Accompanying Col. Pine to Minot for the dinner was Jack Bailey, public information officer at Riverdale.

4:



Contractor's crews remove the final section of a construction bridge which has spanned the tail-

ing the foundation for the second Fort Peck power, plant. Work ander this \$2 million contract was race at Fort Peck Dam in Montana for the past 'completed early his year. The next contractor on couple of years. The bridge was used by the contractor, E. V. Lane of Palo Alto, Calif., in build-use grant transport his material.

# Slowup in N.D. Diversion Bismarck Tribula 1922-59 Investigation Legistological Sclosed

INTITACK E-CASE " Tribung Staff Writer

Johnson, Bureau of Reclamation Texas, Johnson said.

said.

thirds of the 46 were working out to design, so those remaining still of Bismarck, which would mean comprise a workable unit. the Bismarck staff has been re-

lexceeded \$400,000,000. This would Investigation work on the Garri have been more than it was felt son Diversion project in North Da. Congress would be willing to spend.

kota has been slowed to coincide Personnel relieved from the Garwith the later target date for con rison project were assigned to oth-struction start, according to Bruce er Bureau offices from Utah to

projects manager in North Dakota. He said that despite the reduced Personnel working on the subject personnel the investigation work has been cut from the 106 original-will proceed smoothly because the ly assigned to it to 60, Johnson reduction was made so as to cuta few persons in each type of He estimated that about two-specialty from land classification

AFTER THESE FIVE studies are completed, Bureau specialists are in a position to determine costs. and benefits, from which a repayment contract can be formed.

Investigations now will be concentrated on five areas where irrigation districts have been formed and farmers have indicated a willingness to negotiate for the water.

Current work concerns five service areas totaling the 200,000 acres it is expected will be needed to warrant a start on diversion.

Farthest along is the Sargent County area near Oakes. Field under more in the LaMoure

### Measures Minot Daily News

bBuckhe News ... Stateisfapitol Bureau

BISMARCKOTP Only two major measures affecting the irrigation program worth Dakota were intraduced an the 36th legislative

introduced in the 36th legislative assembly.

One was the 664 which clarifies the inclusion or secles of of land in valuation of the secles of the inclusion of land in valuation of the secles of the

inclusion, owners abford majority of the acreage that can be irrigated who desire the land included must submit a petition to the directors. If, after a hearing, the board approves, the land is then included. However, should an objection be raised, an election has to be called.

The new law simplifies this procedure, and gives directors more control, the basic change being that before a board would be required to call an election on. the question of including lands in a district, a petition signed by at least 10 per cent of the owners. of land subject to irrigation in the district, objecting to the inclusion, must be received.

The same method is followed in regard to exclusion of land.

Backing for the measure came from the State Water Conserva-tion commission, which views it as a piece of legislation that will "eliminate the needs of Connecessary costly elections and still will permit the just consideration and action of the district on any reasonable request relative to including or excluding lands from a district."

The change in the method of aming directors of the Garrison; conservancy district becomes effective with the 1960 elections, with directors elected then taking office in 1961. At the present, the posts are appointive.

The new law stipulates four-year

WASHINGTON (AP) - Interior Department power allocation practices in the Missouri River Basin were described as unfair and discriminatory Thursday by public and private officials from North Dakota, Nebraska and Montana,

Their criticism, along different lines, came as the Senate Interior Committee wound up its present hearings on problems involved in distributing the power produced:at the large river dam sites.

"Gov. John E. Davis of North Dakota, in a letter to chairman James E. Murray (D-Mont), said the 548,000 acres of valuable bottom and grazing land taken in the state for Garrison and Oahe reservoirs "is an irreparable loss to

both our economy and population."
He said this "should be a preponderant factor" in allocation of basin power to eligible users in such states.

Sen. Carl T. Curtis (R-Neb) contended that present allocations are "completely unfair and in-quitable" to Nebraska, "the only state in the basin which has stood on its own feet, financed its own needs .....

Colin Raff, vice president of the Montana Power Co., took the bosition that application of the prefere ence clause by the Reclamation Bureau actually deprives Montana of "the opportunity to share in the power which is produced in Mon-tana."

The preference clause basically provides that preference customers such as municipalities and intimal electric co-ops, get first consideration in allocation of federally produced power.

Davis: letter said reservoirs from Garrison and Dahe dams ureach almost across the width of North Dakota "and create a barrier to all forms of land transportation. He suggested that loss of land for this purpose "the assigned a heavy weight factorion considering and allotting power twotas within such adversely: affected states."

The reductions were made after | Service areas. - Ins plan now 1903 it was announced last year that der consideration in Congress prothe target date for start of con vided detailed information only on

Istruction on the project to divert Missouri River water from Garrison Reservoir to north central and

son Reservoir to north central and eastern. North, Dakota would be 1963 instead of 1961.

The antount of money allocated for investigation, work, also was cut from about \$90,000 the previous year to \$50,000 for the current fiscal, real. fiscal real This (personnel and money) is chough to permit us to fillish the work by the time construction is scheduled to start, I Johnson said. THE MOVE FOLLOWED start of work om the Upper Colorado River brojects; Johnson explained If Garrison Diversion work and start ed on the original schedule? Bureau of Reclamation officials figured the total annual cost of their program in the United States would have ditching and leveling.

the primary system which will deliver the water to the individual areas.

Now being small are details of

Now being strong are details of the service areas of which it is estimated there will eventually be about '25. The office project has been split into wo divisions—off of 402,000 acres to be developed. If the first 25 years and the office of 600,000 acres to follow later of 600,000 acres to be developed. areas covers five general fields.

- A (detailed topographical survey)

Detailed land elassifica-Ltion. Cost evaluation to include

area. Investigations have started on the Karlsruhe area near Velva and will start later this year on Souris District No. 1 between Upham and

Minot.

a place on the ballot must submit a petition containing the names of at least 50 qualified vot-

Basically the bill was introduced because of a question concerning the constitutionality of an appointed board to make a tax, ्राह्म **इं**टरान्ने

Land Near Riverdale to Go On Auction Block
1 938 acres of land will be sold at public a uction and Thursday, March 26, 1959; starting at 1 p.m. at Riverdale. This farm land is adjacent to the east dity limits of Riverdale, which has been declared a surplus by the Government. Taylor and Martin; auctioneers from Fremont, Nebraska, and handling the sale.

RIVERDALE CONSTRUCTION OF THE RESERVE TO STRUCTURE TO STR at Riverdale W. Williston and Fort Peck, Mont. The position openings are for concréte engineer or technician, office engineer, construcincian, office tengineer; construction engineers and inspector.

Desired are prisons, which have had experience in large semblices concrete buildings land, antields, etc. Under construction to Royt Peck Dam 18, under a notification. ond power plan Junistia estal 5 are being installed af the power-liouse at Garristn dam and relocations and levee, work are being done in tile williston vicinity. done in negavinston vicinity.

Persons interestration in this, jobs are requested to write to Personfiel branch chief Garrison District,
Corps of Engineers, Riverdale

that Montana will have a first claim oil power developed from its own water resources was called for by Sen. Mike Mansfield (D-Mont.).

In a speech for the senate, Mansfield cited the Fort Peck dam in eastern Montana as an "unhappy story."

That project, he said, was intended to supply power for meeting Montana's needs. But Montana will receive less than 24,000 kilowatts of the 175,000 kilowatt capacity under a decision by the administration, he added.

'cult seems to me, persuasive evidence that allocations should be fixed by congress rather than left to the discretion of the department of interior." Mansfield said.

There are several Montana power sites which "cry out for federal development at an early date," he added, listing as examples Libby. Yellowtail, and Knowles dams.

### Garrison Openings bet

RIVERDALE—The Corps of Engineers within the coming six weeks will open bids on five contracts for construction work on the Garrison and Fork Peck dam proj-

Advance notices have been mailed from the Garrison District offices at Riverdale on the following projects: Emergency bank protection, Shoshone River, Lov-ell, Wyo., bid opening March 26; Flood protection project on Little Missouri River at Marmarth, bid, opening April 2; relief wells for,

### Fort Peck Reunion Be March 21

All present and former employes: of Fort Peck dam, dating back to its first construction days, are being asked to join in a 25th anniversary reunion scheduled Saturday, March 21, at the Multinoman hotel in Port-land. As many Fort Peck people as can

be located, are being sent an announcement of the reunion, but all are asked to join in the occasion. Those who cannot attend are asked to drop a note to the planning commitee, with general information about themselves to be posted on a bulletin board for out-of-town messages. Address of the Fort Peck committee is 4736 North Thirty First Avenue, Portland 11.

Letters have been sent out to nearly 400 ex-employees to date, it was announced by Howard B Strawn, committee member, in a letter to The Courier. A future reunion has been suggested in the Glasgow area.

Registration will be conducted all day, Saturday in the Multhomah hotel headquarters. A cocktail hour from 6 to 7 p.m. will be followed by a reunion dinner and program. Dancing is scheduled from 9 pm! until 1 a.m. Sunday. .

PROTECTION PLANNED

RIVERDALES N.D. QUPYD The Albert & Anderson contracting firm of Miles City, Mont. was apparent low bidder for a contract to build the stronger and the state of the stronger of



As part of a practice flood exercise in Glasgow Monday, a crew from the Fort Peck area office of the Corps of Engineers staged a public demonstration at the civic center. Here, they are showing the proper methods of capping a flood dike with sandbags as Don Beckman, left, Fort Peck chief of operations, explains. George Haynes, right, is surpervising the job. Others in the crew are George Boston, Kennth Bondy, Cliff Doke, Richard Eriksen and James Leslie (Courier photo).

In a mock rehearsal of flood conditions that brought back memories of 1952 to Glasgow residents, personnel of the Fort Peck area office of the Army Corps of Engineers Monday went through a hypothetical threat to the city.

In a talk at a public program Monday afternoon at the civic center Maj. M. R. Downes, Fort Peck area engineer, said the condition simulated was that of an ice jam on the Milk river below Glasgow, which threatened the dike and homes and businesses of the city.

Representatives of other middle agencies involved in floodifor ing and fighting spoke at the explained. The Bureau does not ing and fighting spoke at the explained. The Bureau does not ing and fighting spoke at the explained. The Bureau does not income mayor, preside Hey and the services offered by the Enginformer' mayor, preside Hey and the services offered by the Enginformer' mayor, preside Hey at the services offered by the Enginformer' mayor, preside Hey at the services offered by the Enginformer' mayor, preside Hey at the services offered by the Enginformer' mayor preside Hey at the services of the services

fight was waged to save the barrier. eall on state and federal agen-ris The practice anobilization here. see the practice of The practice mobilization here

hand to provide canteen services, just as they did in 1952, under direction of Mrs. Loretta Hoffmann, canteen chairman.

The public program followed a morning spent testing communications, personnel, equipment and adminstration.

Baertsch, meteorologist in charge of the Glasgow Weather Bureau station, explained the Bureau's role in river and flood forecasting services.

Forecast centers for this purpose are maintained by the Bureau

Major Downes also told how the plan operates, and said the Corps may call on various agencies and other military establishments for help. Glasgow AFB would be most valuable in case of a flood here, he stressed. Air Force officers attended the meeting as observers. Opening the program, Dwight Dana Schrupp, county civil defense director, was also a participant.

Major Downes recalled how the 1952 flood fight here saved thous-and of dollars in possible damage to homes and businesses.

He also told how he had worked with Mayor G. E. Kjelstrup and City Engineer Walter Magill in an inspection of the dike and its gatesis

Don Beckman, Fort Peck chief of operations, directed and explained two demonstrations by Fort; Peck personnel, using sandbags to sliow how to raise or "cap" a dike and also in constructing a ring dike to

control a sand boil or leak. . . A film on flood fighting followed: Women of the Red Cross served cof-

fee and doughnuts.

Peck, opening April 14; roof repairs, power plant No. 1, Fort Peck, April 23. The jobs are all units of the Missouri River Basin Project.

Completion time for the Lovell protection works which consist of 9,600 cubic yards of earthwork and rip-rap is 60 days after notice to proceed. The Marmarth project, which entails the placement of the placement of the placement of leve material, has a completion deadline of Dec. 1. The 74 relief wells, excavation and fill and piping at Williston has a completion time of Oct. 30, 1960. The Fort Peck power plant equipment must be delivered by March 1, 1960, and completion time for repairs on the roof of the Fort Peck powerhouse No. 41 is Oct. 15.

of about 205,000 yards of embankiment, 2,400 yards of gravel, riprap, drainage structures and seeding of 23 acres in flood levees on the left bank of the Yellowstone River.

The purpose would be to protect Glendive from floods such as the one that inundated West Glendive late Wednesday and early Thursday.

The Albert & Anderson firm bid \$164,930 to do the work. The government estimate for the job was \$152,578.

our firms in all bid in the contract. Blds were opened by the Army Corps of Engineers. If the job missales completed by Nov. 19. The Carriston District of the Corps of Engineers will supervise the work.

Great Fall's Tribune

Ligineers

be let in the near future. \*\*\*

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## n Storage

OMAHA, Neb.-Water storage in the Missouri river main stem system of reservoirs stood at 21,080,000 acre feet at the close of February. This represented a slight gain over the previous month, according to the Missouri river reservoir control center report.

Operating schedules at the four system reservoirs during February were maintained at customary winter levels. This pattern will prevail through most of March. However, beginning on March 26 reservoir releases will be gradually increased at the Gavins Point dam near Yankton, S. D. in preparation for th opening of the 1959 navigation season and the increased stream flow requirements downstream.

Total power generation at the four operating powerpalnts in February amounted to 198 million kilowatt hours, a 13 percent gain in power production over February, 1958. Water scheduling in February, 1959 was balanced out to facilitate maximum feasible power production schedules. Garrison releases averaged substantially higher than at Fort Randall and Gavins Point. Excess Garrison water above lower river winter requirements was recaptured in Oahe and Fort Randall, where it will be saved for spring and summer requirements.

Total power generation at Fort Peck during the month was 48,000,= 000 kilowatt hours, with releases amounting to 388,000 acre feet, all passing through the power turbine: Records of the reservoir control center show that a total of 198,000. 000 kilowatt hours of electricity was generated at the four main stem plants in February. The peak coincidental power generation was 482. 000 kilowatts between 11 a.m. and noon, CST, on Monday, Feb. 9.

### Federal, State, Local Agencies Vill Join In Practice Exercise, Program

the mobilization potentialities and ership of the flood fight. procedures of the city of Glasgow for flood emergencies, it was announced by Maj. M. R. Downes, area engineer, at Fort Peck.

Mayor G. E. Kjelstrup, City Engineer Walter Magill, and other city officials of Glasgow, together with local representatives of the Weather Bureau, Civil Defense and the Red Cross are co-operating with the Corps of Engineers in the plans for the flood exercise.

The morning part of the exercise will include a simulated "situation" involving rising waters in the Milk river at Glasgow, with ice jams forming downstream from the city causing a portion of the seven, which protects the city against flooding, to be in danger of being overtopped and in need of additional capping (sand bagging).

The condition becomes so "critical" the mayor feels the emergency rection of a ring dike for sand doughnuts.

The "problem" also will include necessary action on instructions contained in sealed envelopes to be opened at intervals throughout the morning. These will involve a Bureau; Dank market with Bureau; Dank market mobile task force unit dispatched to county civil detrose Gordon White, Glasgow from Fort Peck to organize county Red Ossas inaster chairthe simulated flood fight, and the man, and Major Downes, Hugh simulated use of city employes and local volunteers.

The Corps of Engineers task force team will be composed of especially picked and trained personnel for the purpose of taking action to combat floods.

The practice exercise also will include a public program at the Glasnow civic center beginning at 2 p.m. Buell Hayward will be master of

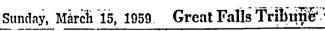
A practice flood exercise will be is beyond the capabilities of Glas-iboils that may develop back of a held at Glasgow on Monday to test gow and requests the governor of levee during flooding conditions and the capabilities of the Corps of En- Montana to declare a "state of several short talks by, city, county gineers flood fighting plans and or- emergency." In addition, he re- and federal officals on their reganizations and the effectiveness of quests that the Corps assume lead- spective spheres of responsibility

during flood emergencies.

Those participating in this portion of the program; will be Mayor Potter state director for civil defense, has been uprited and will speak if he is able to attend.

Don Beckman, chief of the Fort Peck project operations division, will direct the flood lighting team's activities and give the narration for the demonstration, 22

A Corps of Engineer film, Flood Fight," also will be shown, which depicts typical methods for the ceremonies. It will consist of a strengthening of levees and other demonstration by the Corps of En- procedures for fighting floods. Wogineers on the proper methods for men of Valley County chapter of andbagging a section of levee, the the Red Cross will serve coffee and



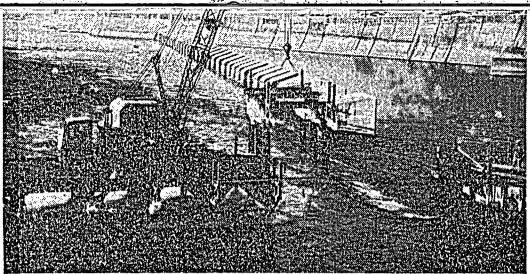




The amounted water flowing through the Bull Hook channel is relatively small as most of the water behind the Bull Hook dam south of the city has been drain-

. Wednesday the grating at the base of the dam was showing.

Shortly water from the Scott coulee dam will be drained through the Bull Hook channel and again the public is cautioned to warn children not to play near the channel until draining is committed



BRIDGE REMOVED—Photo shows contractors' forces removing the final section of a construction bridge which has spanned the tailrace at Fort Peck Dam the past couple of years. The bridge was used by the contractor, E. V. Lane of Palo Alto, Calif., in building the foundation for the second Fort Peck power plant. Work under this \$2 million contract was completed early in 1959. The next contractor who will build the powerhouse and switchyard structures will use glant cranes to transport his material to the work site.



• AWARD — Alfred E. Jorgensen, chief of the plant repair section, operations division, Corps of Engineers, at Fort Peck is shown at right receiving a special certificate of commendation from Col. Lynn W. Pine, Garrison district engineer. The award was presented to him in recognition of his initiative and supervisory techniques used in promoting efficiency and reducing costs in all operations under his supervision, July 1 through Dec. 31, 1958.

have stated that the project has prevented flooding within the city praticularly in the south end.

Some people have asked why the water cannot remain impounded behind the dams instead of being drained. They are reminded that the Corps of Engineers under whose direction the dams were built has repeatedly stated that the dams are for flood control purposes.

Impounding of water could possibly lead over a period of time to a weakening of the dams it is necessary to have a controlled runofit through the old Bull Hook channel which before the project was completed often overflowed and caused much property damage. Now property is protected immeasurably by the project.



View of a portion of the new six mile stretch of levce built by the Corps of Engineers to protect the city of Williston. The photo demonstrates the possible ef-fectiveness of the dike system when completed on the

This bury dilver allow of the city. Stage three of the levels will go mider contract soon. This will complete the Williston flood protection system.

Riverdale Land:

no longer necessary for operation of the facility was first offered as a single unit then put up for bids in the three separate units.

## Reservoir to Crest at New High of 1,813 ft.

RIVERDALE — Corpy of spout three feet.

Engineers hydrologists expect It was reported today that a figure of the figure of the

in Millston, Following an aerlal survey of streems feeding
of the Hydrology Section of
the Garrison, District Brigneering Division at Riverdale, said
the 1613 mark was forecast
currently for about August 15
following what is known as the
"June Rise." The previous peak
elevation was 1806.5 which was

Okays Grand River Dams Wafer Unit to Ask U.S. Missouri Arc

an protective work on a maximum of thivery between the Alm other are derrison Reservoirs, moved to proinnessin voted timani and designs for technic lite funds in de a creek at Eller dimensione of drainage city a municipativate

iticipalid.

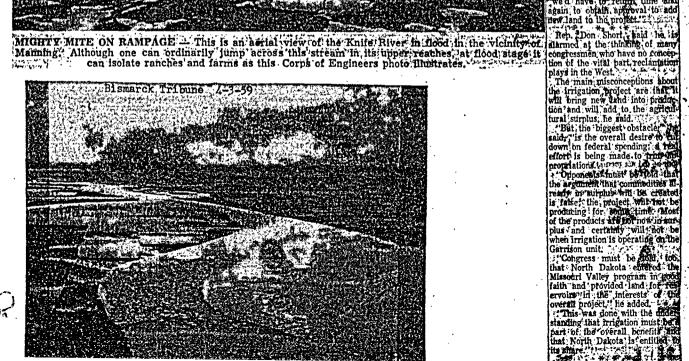
The Coundission also granted will be renewed in inditivistering the Bowmen County Water Conservanth Dakota by the commission and the u. S. Geological Survey and the county of dams in the unper resties of the Grand River.

The GROUP said the authority Missouri and the Yellowstonestic was given the district board to estimate dam construction in view as given the district board to estimate dam construction in view as given the district board to estimate dam construction in view as possible sources for irrigation of datage amounts of water, being the commission deferred authority in the Grand's upper balls meeting here April 10 chaids

water so that time would elevation this past winter, was reach the roctrote spillway 1791 msl. Due, to snowmelt it gate structure, covering the ap had reached an elevation of proach channel to a depth of 1794.3 as of today, March 23,

Dam' on the Grand. A Solfridge Solfr





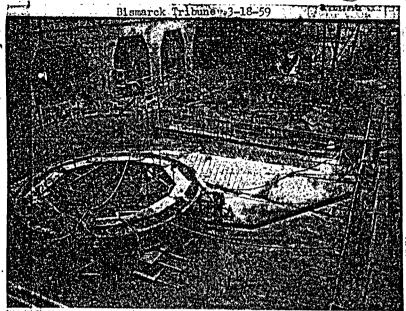
in the Congress, he said.

There is no indication at meant when the report will be relieved to investment the may be invalued to reverse or two or, then again, may take a couple; of months a graditesting

have to settle for supported the content of the project with the support mone tary limitations, which is the believes monetally minimated agreege limitations will not be so that sould near we'd have to return time and again to obtain approval to addition and to the project.

JAM WHAT AMCHere is the ice jam in the mainstem of the Miscon River at it finally came to rest about 15 miles downstream from Williston about a week ago. On March 23 it had caused a record high flood stage of 10 3 feet on the gauge at the Lewis and Clark bridge west of Williston (Corps of Engineers Photo.)

man, and Vernon S. Coopers of Bismarck!, secretary freasure? The directors meet in Rivertale, probably the first week in July



POWER UNITS — Several million dollars worth of construction work on power units Nos. 4 and 5 at Garrison. Dam is graphically illustrated in the photos above. Upper photo shows the work on the scroll cases for the two remaining power generators. No. 4 in the foreground is being embedded with concrete and unit No. 5 in the background is being prepared for the final pieces of generating equipment. A section of the, scroll case can be recognized. Lower picture is a wide-angle, lens view of the ercction bay in the east end of the powerhouse. Two turbine runners are in the background; with a scroll case connection for unit No. 5 being assembled in the foreground. To the left of the connection are transformers recently supplied by Ferranti, Ltd., of London, a British contractor. P. S. Lord Mechanical Contractors of Portland, Ore., is doing the wolf-shown in the photos. Under current schedules, generator No. 4 will go into service in January, 1860; No. 5 in July, 1960; When completed, the Garrison power plant will have an installed capacity of 400,000 kilowatts.

Three generators have been in service since 1956.



## Diversion Holds Key To New Farm Famil

The proposed Garrison Diversion unit which are presently in slipping. The proposed Garrison Diversion unit which are presently in slipping. The project is "unique" in that, while it. "No new, lamd; will be brought into projects to irrigate 1,107,120 acres, it also will have a direct effect on 2, the which is also will have a direct effect on 2, the which is also will have a direct effect on 2, the which is also will have a direct effect on 2, the which is also will have a direct effect on 2, the which is also will have a direct effect on 2, the which is also will be supplied through the project and formal in the would be conomy. The which is also will be supplied that the while the while the is soil bank and in 19 of the committee in other types of livestock, could be fed on farms irrigated by the Garrison Diversion. The while the construction of the conomy wheat hat would be grown on the 1,007,120 agree of the grown on the 1,007,120 agree of the first and soybeans appear to be the only crops that will be grown in the state it seek employment elsewhere.

RIVERDATE THE AN EXPENSION OF THE PROPERTY OF here at 1 p.m. Thursday, March 26, in the Freplace room of the Recreation hall. The total of 938 acres will be

sold in three units. The land lies to the east and north of River-dale, The General Scribes ad-ministration Kakes City, Ma. Is in thargand Maria Laylor and nd any tine prior to

ercise staged Monday at Mandar N.D., and Glasgow, Mont , was called highly successful Tuesday by Franklin M. Lee, chief of the Gar-rigon Engineer District operations

division (1) The cexercise, carried out by Army Engineers, was designed to test the stollity of the Editioners to avoid damage to the two rites from this water you the Milk Rites at Mandan and the Milk Rites at Glasgow The Streams are two tivers in the Garrison District and have required dikes to keep them



HONORED Twenty-nine employes of Garrison District of the Corps of Engineers who have operated motor equipment for five years or more without an accident were presented with safety ewards by Coll Lyin W. Pine Former Garrison District Engineers at a ceremony in Riverdals. The honor groups Seated, left to right F. Schmidt, C. Hennenfent, D. McDermid, R. Ereth, E. Phalen, A. Kryweski and H. Green. Standing, feft to right, E. Voeltz, R. Preisinger, L. Hanson, L. Halvorson, S. Kadlec, W. Bliffer, R. Weber, R. Eng, L. Michiltsch, C. Arndt, H. Brewster, E. Stark, W. Kottsick, D. Wulf, F. Beinfett, H. Thorstad, J. Leier, A. Deprey, L. Miller, P. Jahner, E. Paulson, V. O'Brien, and Coll Pine.

Gartison the property of the p

Statistics released today by the Missouri River Reservoir Control Center at Omahay Neb., showed a loss of 201,000, acre from the story ago at Garrison during the sponth while the not fail in the entire maid stem system was 79,000 acre feet. 8 is failed and 56,000 Ft. Peck was drawn down 56,000

acre feet and Gavins Point 28,000 while a gain! of 1339,000 was re-corded at Fort Bahdall and 35,000

att Oahent "#fech tre Fet the third straight month Garrison was the big power producer, straight of a million kildwatt, hours, Figures for the other dams there is Figures for the other dams there is Figures for the other dams there is Figures point, 23 million, and 30 million, Gavins Point, 23 million, and 30 million, Gavins producing flower, and a straight of the control of the contro For the third straight month March depending we the time of the show inch did the plains and me breakup of apper Missouri further taries.

## Col: Hegrefe Will Assume Riverdale Duties in April

dale with his family early it and will assume his duties as a rison. District Engineer, multime on April 13.

on April 13.

The Corps of Edifficier's officer made this announcement during a four-day stay in Therefale following his remainform at assignment in Korber-Re derignated Maj. M. R. Downey In Therefale following his remainer as acting district engineer during the three-weeks of leave he is spending with July Wife, and six children in Carlister Pa. Col. Hogrefe succeeds Col. Lynn W. Pine who left North Dakota March 10. March 10.

COLONEL Hogrefe was born in Washington, D.C., Feb. 6, 1919, U.S. was commissioned in the Army Corps of Engineers in 1945 or the graduation from the United States. Military Academy at West Forms.



Son Reservoir Ses at New 1: 81813:Feet

RIVERDALE un-corps of Entire 11, was reported Monday that son Reservoir to crest at a new Missouri is breaking up in the high elevation of 1,813 feet above vicinity of Yellowstone River

ing in 1947.

From 1947 to 1949, Colonel Hogrefe was assigned to the office of the Chlef of Engineers, Washington, D.C., where he served in military supply. He then attended the Advanced Engineer Officers Course at the Engineer Schools Fort Belvoir, Va. In 1950 he became a staff officer in Jayon head quarters of U.S. Army Porces Fattlest.

RETURNING to the United States in 1953, he attended the Command and General Staff Coulege, Ft. Leavenworth, Kan. Heory 1954 to 1954 he was commanding COLONEL Hogrefe was born in Washington, D.C., Feb. 6, 1919, He was commanded in the Army Corps of Engineer in 1944 cheek graduation from the United Ship gradu

## New Report On Diversion Presenteds

ect yakingenned to the Buccau of the Buccau a presidential advise: Her piesday (1984 1984 3 Milo Wernersteen, North Dakota state entineer, turned over the supplementary information to the bureau and to Presidential A tant Robert E. Merriam as a re sult of a conference at the White House Feb. 25 at which Gov. John E .. Davis of North Dakota met with President Eisenhower.

MAIN POINTS stressed in the latest presentation are that crops to be grown on the North Dakots irrigation project will not add to farm surpluses and that only a small part of land now in the conservation reserve will be restored

servation reserve will be restored to production:
The proposed Garrison diversion unit, still needing congressional authorization; would divert water from the Missouri River at Garrison Dam to Irrigate about a million acres over a 65-year period.
The new information notes that

Hen acres over, a 65-year period.

The new information notes that durum will be, the, only wifest grown an the firigated land, and that, durum explusion in surplus but rather, is including the grown of the new report said.

DAVISATING HEST section of the new report said.

First, and, soybeans, appear, to be the only, crops that will be grown for the Garrison diversion with which are presently in the public two products that will be grown on the project would not have much of an adverse influence on the machine. of an adverse influence on the national surpluses. It is also twite possible that these two crops will not be, in surplus when they are produced on the Garrison diver-

whether irrigation would result in

whether irrigation would result in returning soil bank, land to production, specially and to production, specially and to produce the special production of the special produc

District Engineering Division here, Burgtort said the Missouri River, is ald the 1.813 mark with dreast which joins the Missouri River turrently for about here to the missouri of Fort Peck ing, what is knowned the Division was the only tributary offer tise.

The ingremental here and the large of the Lar

Residents of Glending supplies of Glending Supplies

again i due too the two mile ism located just below the fairgrounds a spokesman for the disaster committee reported at noof foday. Latest information on the condition of the river stated the water was clear of ice from Glendive to Kinsey, which is located about 10 miles eastlof Miles Citys). Adother ice jam at Savage was reported with the low-lying farm lands flooding. The Yellowstone cut loose last night about 11:00 p.m. with large chunks of ice flowing swiftly down stream. The immediate danger centered about a boundle lam in the channels and the savers. This eventually danger sentered about a boundle lam in the channels and the law life in the law life i

water.
Water was reported frising in the River View Parky area of the fiding much damage. No injuries were reported.
Three men were researed from the top of their auto when it became bogged down in the high waters covering a section of the Marsh Road. Rescue personnel went to their aid in row boats and removed the men from their perchal went to their aid in row boats and iremoved the men from their perchia Seven persons in the March Road litra were unable to lead and are reportedly still stranded to the reported of the reported by the stranded to the reported by the repo

during the early morning hours, Large pieces of ice being crushed against the bridge supports proved quite a spectacle and drew much

attention.

Finally, lafter the river and reached a level of about eight and one thaif feet above flood stage-

### Wilk Kiver Said Slight

GLASIOW APTH The Army Engineer 1886 In the Mod Canger from the Milk They fin northern Montania unit in the first in northern Montania unit in the first in some unfortseen to mibilitation of weather conditions.

Maj. M. B. Downse, Fort. Pecharea engineer and lefting Tairison District engineer and the Tairison District

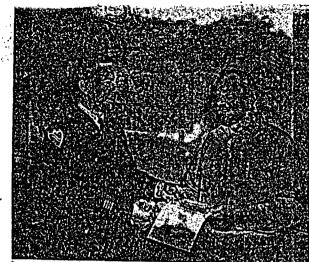
## Little Danger Of Flooding Seen On Milk

ties are Repair distinges.

Older being checked are some of the distinguishing checked are some of the checked. The some of the checked are some of the creeks at the checked and slough flooding was more beneficial than harmful. Little flooding was seen combination; of weather bonditions.

### Rises With Heavy Runoff

Fort Peck reterior showed stor-egs gains of almost 300,000 acre feet the past week, with heavier runoff from the Missouri, accord-ing to figures of the Army Engin-eers



ARMY AWARD Richard Edisen, operations division of ploye for the Fort Peer area office of the Copye of Engineers of shown at high receiving a Department of the Army Sustained superior performance award from Maj. Mr. R. Downes, Fort Peek area engineer. His, award was in the form of a special certificate and a check for a substantial amount for the superior-manner in which he had performed his work for a more than six month period during the past year. (Corps of Engineer photo)

calls 59 Below Weather

## ortPeckRemion. TingsManyStaries

The winter of 1930 when the term to the commentation of the commen

Sheridan Press 3-28-Basin Firm Is Low

On Lovell Project

RIVERDALE N.D. (AF)

Army Corps of Engineers 19, as nounced that Gordon W. Syles, of Basin, Wyo., is appared, low bidder on a flood control project at Lovell, Wyo., Syles bid \$13,6% of the project about \$5,000 loss 1141, 114 povertunistic cost estimates the job involved dischools within and build

Army Engineers Get Law Abstrac

Monday night engineers and

Dick Guenzi of the disaster controp committee stated that differe
toolld have been a major calastroinde if the jam had held the rapidly rising water.
Members of the disaster group
manned their, posts during the
hight and still are on duty today.
Guenzi said the group will, continue to operate until all danger

1666 15 the removement and there of our ed, to cover the same one 1691 deep x, and the same one 1691 deep x, and the same one 1691 deep x, and the same of the sam

## City Flood Damage Nearly Million Dollars Since 1923, Say Engineers

Flood damage amounting to \$955.-Was suffered in Sheridan durathe years 1923 through 1946; according (to an Army engineers My in the con-

tins amount, \$363,720 is atsted to Goose creek, and \$591,-453 to Little Goose creek.

he average annual loss for the of total damages listed . . is Burkitt street and the Morrill 113,12 per annum for Goose creek, street, Kendrick Park area. 13 115 per annum for Little Goose sombination of the two creeks." the feport states.

March 1939 April 1943, and May the Big Horn mountains near Story, 1946. June of 1944. Information on Little Goose creek overflowed its fie floods was obtained first hand committesidents, newspaper acconductive the conductive terms of the conductive term 'ly after the 1944 flood.

Minor floods have occured in Sheridan, says the report, in June inundated and a large grocery 1924, May 1923, June 1933, March 1936. Juhe 1945, and June 1946, A aged . . . The city of Sheridan complete field investigation was started a comprehensive paving made immediately after the 1946 program immediately following the

1. Minor los fam floods have occurred on Little Goose creek on several other dates. The city was caused by general heavy rains over subject to free flow minor floods the Big Horn' mountains. Flood at other dates. . . A major flood waters from Little Goose covered was! reported in 1908 caused by a wide strip from Gladstone and grapid melting of 20 inches of wet Gould streets to the C. B. and Q. show. A major ice jam flood was tracks. Some homes were flooded preported to have occurred in 1883, on the first floors to a depth of Many others floods have occurred live feet. The first floor and baseprevious to 1923 but records are ments of business establishments incomplete as to areas; flooded, damage incurred, and the causes of the fleods."

Fipods for the 23-year period covered totaled 13. They results from Tour conditions or a combinatin of them. These were: Intense or report continues, in 1923 damaged general heavy rains over the Big approximately 300 residences, gar-Horn mountains, rapid snowmelt in dens, business establishments, inthe Little Goose or Goose Creek dustrial establishments, the mabasins, ice jams above Coffeen jority of the city's wood block avenue bridge on Little Goose paving, a large school, city utilicreek, and ice jams against the diversion dam of the flour mill al bridges. The foot bridge in the on Goose creek.

if According to a summary, the two-creeks created damages as

W July Sept. 1923, \$112,680 Goose creek, and \$234,420 Little Goose; lundated the real above Coffeen avenue. About eight, inches of wa-149,550; Little Goose; 1937, June, ter flowed eyer Avoca avenue from the south. Residences, an entire Goose; 1944, May June, \$25,800 cabin camp small; business establish-goose; 1944, \$45,250. Little Goose; lishments one industrial establish-

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Flood areas along Goose creek specifically are the Leopard and Lynx street area. The Beckton avenue and N. B. avenue area, bd of record, 23 years, based Badger street areas as far north as

Reviewing each of the major ther, and \$41,529 per annum for floods, the engineers study says: July-September 1923 - "On the night of 22 July an intense rain-Major hoods the report says, fall of 2.65 inches in two hours occurred in Sheridan in July was recored at Sheridan and he September of 1923, June 1935, heavy rainfall was general over banks in the southern part of the city and filled basements with watroved by flood waters. An area east of the railroad tracks was store in this area was severly dam-July flood."

On Sept. 27, 1923, Goose and Little Goose creeks rose to flood stage were covered with water. The flood waters of Goose creek above the confluence with Little Goose inundated areas along the sharp bends of 'the stream.

Flood waters in Sheridan, the ties telephone facilities and severcity park was destroyed.

June, 1935 - Heavy general rains in the Big Horns caused both creeks to overtop their banks on June 14. The flood on Little Goose

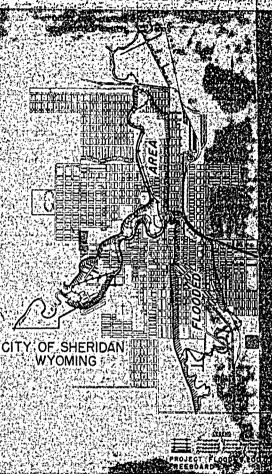
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May and June, 1944 - A heavy rain on May 18 combined with rapidly melting snow in the Big Horn mountains resulted in flooding on Little Goose and Goose creeks on the evening of the 18th. Flooding occured again on June 3 and 4 due to an intense local rainfall of 3.32 inches on June 3. Dam age from the first flood occurred mainly along Big Goose Creek to residences, utilities; and business establishments. The latter flood caused the most damage along Little Goose creek. Residences, truck farms, business establishments, and industrial éstablishments were dam-

The report, which is part of city files on the \$2,000,000 flood control project proposed for Sheridan, does not cover any highwater or flooding after, 1946 although some has occurred. There are no figures available on any damage after 1946. Around three years ago water did inundate the Thorne Rider park

Discussing potential future dam ages, however, the engineer's report does say that a "recurrence of any of the past floods of record would inundate approximately the same areas as those in the past." The probability the city of Sheridan has incident as have normal business activity the re-



In this illustration, which was provided by the Army engine the general area of Sheridan Hooding Spice in the cocurred; shown. The flooded area involves, 550 miles. Averaged to the levees proposed under the flood control programs and the length of levees is 41,400 feet a Average 100 and the length of levees is 41,400 feet Average moon any meaning it is it is a feet and fourth is 3,000 feet. The project conditions in all is almo feet, and length 12,700 feet. The project conditions it is almo feet, and length 12,700 feet. The project conditions it is a feet project by the 1850, flood control act, appropriately found in purpose by the program is fert projection of the program is fert projection of the program is fert projection of the program is the project of the program is fert projection of the program is a fert projection. Areas of the city subject to street and Morrill street areas were

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week! that fishhouse owners remove their shacks from Gartison Reservoir shoreline land.

Several of the winter fishing houses can be seen in the accompanying photo. The engin-

RIVERDALE The Army eers say that when high water Engineers issued a request this comes this summer the houses

Missouri Water Starage

Disparck TrouneSession Slated for Omaha

OMAHA The second ahnual public meeting to consider the control
and regulation of water stored in an responsibilities, directly rethe Missouri River main stem resplated to Missouri River, operations,
evoors for the 1955-00 season will
be held in Omaha April 30. The public meeting and present views
all day reason will be is denducted
by the Coordinating Committee on
Missouri River Main Stem Reser
voir Operations.

R. J. Pafford, Jr. who sorted
as chairman of the coordinating
committee, said the meeting would
be patterned after one held a year
agon its purpose is to provide
by addened opportunities for expression of public views on the
river control program for the main
stem reservoir system. Pafford
also is chief of the diservoir, Cootrol Center in the main year reservoir operation office in Omaha and
division office in Omaha and Gav
in North Dakota; Othe, and Fort
Randali in South Dakota, and Gav
ins Point on the South, Dakota
Nebraska border.

Pafford said the public meeting
would be held in confunction with
the coordinating committee's regular spring meeting at which genwould be held in confunction with
the coordinating and inhectives for the this large storage system within

aral criteria and chiectives for the this large storage system within

with the State Water Conservation Commission, the proposed agenda for the forthcoming Missouri River for the forthcoming Missouri River.
States & Committee & meeting or in
Council, Bluffs, Iowa, at the next
meeting, of the state water fgroup
bere, Friday Anatomic
Line 10-state MIssouri River
States & Committee & conference Tis
stated for the following Wednesday 1 The conditions

day 1 The committee is composed

day. The committee is composed of the governors; and two official delegates from each Missouri River state.

As chairman of the committee, Governor, Opavis, will head the North Datots 'delegation that includes (Milo: Wr. Holsveen, state eighneer, and also secretary of the committee). Herb Lyons, Jamestown; Al. Weinhandl, Minot; and Fred Ji Fredrickson, legislative consultant, to the North Dakots Water Conservation Commission.

IN OTHER business, the State Water Commission will consider Water Commission will consider several items referring to planning and investigation of new projects and new construction starts on the Missouri River, Results of the Missouri River, Results on the Missouri River, Results on the Missouri River, Results on the meeting in Control Bluffs, Holsveen noted.

The stale commission will also consider a request for a survey of irrigation possibilities in the Douglass and Garrison Creek area near the city of Gatrison. A considerable number of Fequests have been received from farmers, and civic leaders in this region, Hofsween said.

A REQUESTIFIED, development and survey brief feyarding irrigation on the Bulle Muddy Creek marthed will be explored, One, the featbilling, of impounding Little Muddy de extended, on irrigation of the survey and pumping it vigilities and pumping it vigilities and pumping it vigilities lands for, irrigation, and spond, authorizing addition, it is constructed by the spond of the said. The Schmisch Lake it are continued in the said. The Schmisch Lake it are comparable to the said of the spond of courts. Burke County Flood County Butsel of County Burket County Burket

Trigation To Be Big

GRAND FORES ACCREMIO W Holsveen, chief shifted water Consensured to the North Dakota States water Consensured to the Carrison Dain and Jalready out sign is a possibility that destinents of the Garrison Dain was Jalready out sign its positive benefits. The water is a possibility the possibility to develop the gartest possibility to develop the gartest possibility to develop the gartest pential of the Gartison John store is in the part of the garts of the part of most. North: Dakotans to obtain this benefit, the part of the gartest pential for the gartes

state and federal governments at a courtes far exceedings the small revenue made availably the communities from leased land of the problem, he said, resulting from the transitions capacity of the clear waiters now released from the darrison Reservoir to pick up, sit and move it downstreams wait and move it downstream. Hoisveen said development of in his year, said a development, of the framison a diversion project could insert a new vitality in the second to the third with the second to that which occurred in the State of Washington from the Columbia Basin project.

"He SERVED as chief engineer for the Irrigation development are too be for the irrigation development are too be for the project for an earlier war period."

"Well over 3.600 tarming to be installed to be created a passing municipal water supplied for a cities and wildling words with the safety allowed to be supplied for a cities and wildling words. The project for the p Columbia Basin project, who he

OMAHA (AP) — The five operating reservings on the Missouri River the search eved a new high record, in fatch of firinge, the Missouri River reserving control scenario and the search of the first near morthal right from the reserving from the content reported. This water storage, situation is expected to be an important item of discussion in Omaha April 30 when the coordinating committee on main stem reservont perations holds its second public beging on water use. This meeting farmits broad public appression of the first more discussion in Comaha April 30 when the coordinating committee on main stem reservont perations holds its second public beging on water use. This meeting farmits broad public appression of the first the water storage for the first reserving for the f

of the Corresponding of the Co

and will provably become one on the state abest boating minting and fishing areas.

## City Flood Damage Nearly Million Dollars Since 1923, Say Engineers

Flood damage amounting to \$955. 175 was suffered in Sheridan durin the years 1923 through 1946, according to an Army engineers

of this amount, \$363,720 is atributed to Goose creek, and \$591 .-Assiton Little Goose creek,

5.715 per annum for Little Goose creek, and \$41,529 per annum for the report states.

and September of 1923, June 1935, March, 1939, April 1943, and May 1968 June of 1944. Information on the floods was obtained first hand for regitents, newspaper accounts a sararge records, and precipitation records. A complete field residences. Eight blocks of wood investigation was made immediate. paving on Main street were desly after the 1944 flood.

Sheridan, says the report, in June inundated and a large grocery 1924, May 1923, June 1933, March store in this area was severly dam-1936, June 1945, and June 1946, A complete field investigation was started a comprehensive paving made immediately after the 1946 program immediately following the

flood. 1543 Minor les fam floods have oc-curred on little Goose creek on several other dates. The city was caused by general heavy rains over subject to free flow minor floods the Big Horn' mountains. Flood at other dates. . . A major flood waters from Little Goose covered was reported in 1908 caused by a wide strip from Gladstone and grapid melting of 20 inches of wet Gould streets to the C. B. and Q. snow. A major ice jam flood was tracks. Some homes were flooded reported to have occurred in 1883, on the first floors to a depth of Many other floods have occurred five feet. The first floor and baseprevious to 1923 but records are ments of business establishments incomplete as to areas; flooded, damage incurred, and the causes of the fleods."

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According to a summary, the two creeks created damages as

F July Sept. 1923, \$112,680 Goose /creek, kand \$284,420 Little Goose; inundated the area above Colleen 1935; June, \$30,960 Goose creek; avenue. About eight inches of wa-1849,500 Little 1937, June, ter flowed ever Avoca avenue from 349,500 Dittle Good 1937, June, \$46,200, Goose Elek, \$22,300 Little the south, Residences, an entire Goode: 1944/May June: \$25,800 cabin camp amail business estab-Goose creek, \$59,450 Little Goose; lishments, one industrial establish-

general those areas adjacent to or within the meanders of Goose and Little Goose creeks.

Flood areas along Goose creek specifically are the Leopard and Lynx street area. The Beckton The average annual loss for the avenue and N. B. avenue area, periodoof record, 23 years, based Badger street areas as far north as \$15,314 per amum for Goose creek, street, Kendrick Park area.

Reviewing each of the major floods, the engineers study says: July-September 1923 - "On the night of 22 July an intense rain-Major floods, the report says, fall of 2.65 inches in two hours ave occurred in Sheridan in July was recored at Sheridan and heavy rainfall was general over the Big Horn mountains near Story. Little Goose creek overflowed its banks in the southern part of the city and filled basements with water and flooded the first floors of troyed by flood waters. An area ""Minor floods have occured in east of the railroad tracks was aged . . . The city of Sheridan July flood."

On Sept. 27, 1923, Goose and Little Goose creeks rose to flood stage were covered with water. The flood waters of Goose creek above the confluence with Little Goose inun-Floods for the 23-year period cov- dated areas along the sharp bends

Flood waters in Sheridan, the al bridges. The foot bridge in the city park was destroyed.

June, 1935: - Heavy general rains in the Big Horns caused both creeks to overtop their banks on Jure 14. The flood on Little Goose

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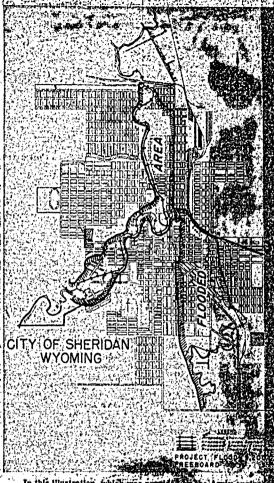
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Discussing potential future damages, however, the engineer's report does say that a "recurrence of any of the past floods of record would inundate approximately the Time areas, as those in the past."
The appropriate that the city of
Sheridan, had, increased, as have
normal "business" activity. The Teport says and the says

### Flood Areas Illustrated



In this illustration, which was provided by the Army engineers; the general area of Sheridan floodings when it has occurred its shown. The flooded area involves 850 wife. Average protection levees proposed under the flood control program, and the length of levees is 41,400 feet. Average mod and the length of levees is 41,400 feet. A versus 1950 that the district state of the length is 2,000 feet. A versus strong the first list of the length 12,700 feet. The project of the length 12,700 feet. The project of the length 12,700 feet. The project of the length 12,700 feet. The length

ard street, Beekton avenue, Badger ard street and Morrill street areas were

### Good Water, Supply Seen

The Weather Bureau said water would be adequate to plentiful in all streams except locally in the Tongue and Powder River drain-ages in the southeastern corner of

Montana.

March precipitation averaged. only 50 per cent of normal over the Missouri basin above Fort Peck, However, changes in expect

ed supplies in the major tributary les were small red to a record of the control ing Sept. 30, or 96 per cent of an average year's supply, 7 the buaverage. Year as supply, if the dar-iteat said: interpolation of the dar-iteat said: interpolation of the dar-jon Ferry are expected to run from only 33 per cent of a normal year on the Red Rock River to 99 per cent of normal on the Gallatin River. The flow anto Canyon Ferry should be about 90 per cent of

The Sun, Marias, and Mussel-shell rivers are all expected to have greater than normal water supplies.

The Milk River is expected to run over 20 per cent more than in a normal year at Eastern Crossing, where that stream enters Mon-

ing, where that stream enters Montana, from 'Alberta. 'I'm in the March' precipitation' was a six asbnormal over most of the Yellowstone basin, 'This results' in a decrease in expected Applies at Skiney to eight million acre-feet in the water year ending Sept. 30 of 37 per cent or normal. 'I'm 'At Billings the flow should be about 92 per cent of normal for the year, Other points along the main stem are running very close to 90 per cent. On the Shelds River a plentiful supply of 120 per cent of a normal water year is expected. But along the Tongue River ex-But along the Tongue River expectations have had to be reduced to only 70 per control a normal year, indicating some possibilities of shortages in that area unless spring and summers precipitation holds up well. The Powder River is expected to do only a little bet-er, from 71 to 79 per cent of a normal water year: ( )
The Weather Bureau added:

"Taken together; the figures indicate that adequate water sup plies should be available in Montana, east of the Continental Di

HELENA (A) and requestly vider in the 1959 water year with good supplyed react was forecast the possibility of some shortages monday for the Missouri River on a few Lower Yellowstone River and tributaries in Montana.

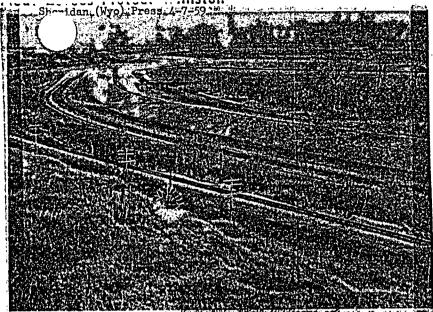
MISSOULA: (AP) — A railroad official Medicaday warned that no Montania river valley will be safe from water resource predators it Congress gives, a goahead to the proposed Knowles, and Ninemile Prairie definition of the Policy of the Northern Pacific, Railway Corspoke at a Missoula Rotary Clubuncheon.

the Northender achie, railway chespoke at a Missoula Rotary Club luncheon.

Allis prepared talk appealed to western Montanans to save their valleys from the power-mad channel-hungryn ar pet baggers from down river.

He reminded his audience that an Army division engineer has recommended Knowles Dam on the Flathiad River, for construction while the Reclamation Bureau has proposed the Ninemile Brairie Dam on the Blackfoot [1] is a like the remainded of the Rotard River of the Rotard

barge transportation proponents have inside many western Montanans with representations that heavy industry will be attracted to site near these dams because or low properly will be attracted to site near these dams because or low properly many because of the life of the state of the life of t as well as those which process farm products, are the troe their apparently western Montant first seek:



This is a view of stage one levees built by the control of body of Engineers to protect the city of with the standard of the city of with the control of the city of with the city of with the city of with the city of the ci

## Corps Invites More Bids For Second Plant

The Army Coint of Engineer is inviting his individual for a dultional equipment of the School, power plant at Art. Recks, the school, power plant at Art. Recks, the school, power two officer, U, S. Army, Engineer district, Garrison, Riverdald N. D. said blds, will be opened about May 14 for switchyard steel, and chaipment to be delivered F. O. B. Ritill road cars, Wiota. Included in the contract will be steel for switch and structures, outdoor group disconnecting switches, lightning arrestors, insulators, potential devices and other suylliary equipments De-

tors, Insulators, potential devices and other auxiliary equipments Delivery is to be not later than May it 1960.

Bid opening is scheduled about May 19 for main control switchboards, The contract will include switchboard spanels be flownesses water/level; recording transmitter battery charger motor generature and inverter; pilis accessories; and space/parts. Delivery deadline of a Wiota also will be May 1, 1960.

# CorpseBins of Sun 1 Pxo Editor

Washington Washington frequency of engineers and of engineers and other productions and the Sun triple of infinish the required production of the sun production of the Sun triple of infinish the required production of the sun produ

### Sheridan Flood Project Opposed

council Waking that he series with drive from dest million 1000 Vol. in 1000 to 1000 Vol. in 1000 In the miles for levels, would be structed to the Channel sehi inade in it is to and Big for eeeks might fow through

THE GLASGOW COURIER in Thingday, April 9, 1959 RATTE FIRM LOW duced at government dams." total liver attron-marty sors the bosing in the Gardsonfair for of-the fair the Corps of printeers here the water that the corps of printeers here the state of the fair the corps of the c

DUNCIL BLUFFS, lowa (AP) A protest against President Ei-senhower's recommendation that no new projects be started in the Mistouri River flood control and land reclamation program has been organized by governors and other officials in the river basin

states. At a meeting here Wednesday 36 members of the Missouri River States Committee expressed opposition to the President's economy move under which additional funds would be allotted only for courrent projects in the five-billion dollar basin program.

This meeting was arranged by Republican Gov. John E. Davis, of North Dakota, chairman of the states committee?

In the Interest of economy the President had jeft about a dozen Missouri Basin projects out of his budgetary recommendations but pared for the 106th meeting of the

Loveless expressed disappointment that lows has not received jects would deplete the water sugreery much money in the basin allow 7711.000 acre feet, by the locations as compared to other statety. The state of the Horse Red Rock Dam on the Des Moines River above and below Des Moines Should be started now but no allocations have been made to the compared to the states have received about 550 million dollars. He also said to said on the states have received about 550 million dollars. He also said that since 1936 Iowa has received capacity of about 1,500,000 killogical properties.

that eince 1938 Iowa has received capacity of about 1,500,000 kilo-only 42 million dollars for flood watts, but that figure, now has control while a total of 700 mil-gen upped to more than two mil-lion was allocated elsewhere in the Ton kilowatts;

### MBIACATOID Outlook For River Bester

Missouri Basin projects out of his ling to a sub-committee report prebudgetary recommendations but
proposed sizable amounts for some
current basin projects.

The states committee convened
a day in advance of the meeting
today of the Missouri Basin Interhavener Committee here.

This subcommittee report was a
festudy of a comprehensive adequacy of flow study made in 1950
havener Committee here.

The states committee report prepared for the 106th meeting of the
committee report prepared for the 106th meeting of the
committee report prepared for the 106th meeting of the
committee. Agency Committee here. | | realfirmed the 1951 finding that The group decided to send a the flows of the Missouri are suf-

Agency Committee here.

The group decided to send a statement to the House Appropriations Committee urging "continued orderly development," of the huge basin program launched in 1944. \*\*

Those who met Wednesday in Cluded three governors and the febresentatives of seven other governors in the basin states as well as Colorado and Wyoming. \*\*

If addition to Davis two Democratic governors attended, Herschell Loveless of Iowa and Ralph Herseth of South Dakota.

The President had omitted from his budget reservoirs and flood control work in Kansas, Nebraska and Iowa as authorized by the Corps of Engineers, and Bureau of Reclamation projects, in Kansas, Montana and Nebraska; Loveless expressed, disappointment that Iowa has shit received with the settlement of the interpretation of the settlement of the Missouri are sufficient to production, navigation, water supply and sanitation democratic power sentlement of the engineering section of the engineering sectlement of the engineering sectl



of continuing irrigation research in and means of efficient soil manage this states—Spokesmen point, out ment under irrigation.

It hat Garrison diversion conteminates 10,000 farmers converting to probable effects of this mass irrigitation. If this is idone, they gation program in a sub-humid research and information. It was a sub-humid research and information waterlogging and salinizing of appropriate adequate indict to permit the Agricultural Research the Agricultural Research the Agricultural Research the Agricultural Research the irrigation research program in climate.

North Dakota the state of the product of the program of the product o

research into brigation under the lands that have been recently in federal program be combined with rigated.

Ithe state plan to develop a section is Crop management demands of land near Carrington for an in research for breeding and selection rigation experiment station.

The other is a near that the land of the lan

voted by the Legislature and the Conservancy District Board be lieves that the most efficient and lieves that the most efficient and economical way in which to botain the essential research lies; is through a program seem of the day the cooperative efforts in the Agricultural Research lies and the North Dakots Agricultural Research is the and the North Dakots Agricultural Experiment station at Carrington to location in typical of the soils.

Expanded an improved for location in typical of the Solis Information of the Carring of the Carring of the Carring of the Carring of the Carrison Diversion project and will provide a permanent site of a continuing irrigation research for a continuing irrigation research for a continuing irrigation research this week.

Three measures dealing with irrigation encouraged by the board.

Three measures dealing with irrigation encouraged by the board.

Three measures dealing with irrigation encouraged by the board.

Three measures dealing with irrigation encouraged to the continuing irrigation research formation of a district directors to the projects, directors say that formation of a district directors with the projects, directors and the projects, directors and the projects, directors and the projects of the Carring to the Solis in the Carring to the carring to the Carring to rectain a three carring to make the Solis in the Carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to program in the carring to rectain a tree to provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project and will provide a permanent site of the Carrison Diversion project of the Carrison Diversion project of the

gation research program in North
Dakota;

LThey endorsed a proposal by the
directors of the various irrigation
districts to form a district director's association.

They authorized publishing 50,000
It, will cover the various advancopies of a brochure designed to
inform the general public on the
purpose and benefits of Garrison
diversion.

OF GREATEST CONCERN to
board members was the problem
of continuing irrigation research in
and means of efficient soil managethis state—Spokesmen point, out

ultimate of irrigation development long the reconomic and social welfare of the state: (+) / what's . !!

s OMAHA (A) The fivered aling resprint of the Major River have achieved a new ling record in writer torage, the filliss souri flives, referon control tender in the first souri flives, referon control tender in the first souri flives, referon control tender in the first sourist flight from the first worth flight from the first sourist flags. The foral as of March 11 stood at 24 180000 acre feet compared to a freely second high of 24 180000 acre feet compared to a freely second high of 24 180000 acre feet compared to a freely second high of 24 180000 acre feet control to the result of the first second high of the freely series for the freely series for the freely series of the coordinating complifies on main sign respond to be a freely series to the coordinating complifies on main sign respond to be freely series to the coordinating complifies on main sign respond to the freely series of the way the feet the store of the freely series are a guident the compiliate which plans each year the operation of the which plans each year the operation.

riese's are a guiderta, the committee which plans each year the operating schidules of the five top reservoirs start of the five top reservoirs start of the public servoirs start of the date of the public servoirs as April 10; instead of April 20; The current years storage in 250,000 acre see from than was expected on March 11, 125, and eight, million force 1821, greater than the available \$25.50 March 131, 1951. 31; 1951.

Publiced Backing Of Garrison
Diversion: Stressed By Shorts
Wilding Herald: 4-2-59
HARVEYIND LUB — Importance of an emparitionindo semient of the Garrison Diversion's production of the surface of an emparitionindo semient lost and particularly those who be of home to the surface of the production of the Short HAD LUSSION of the Control of the Carrison of the C

which ware liver wher from interiors or effective the Carrison regarded of the control of the co

## Fort Peck Reservoir Gain otal Of 789,000 Acre Feet In Month

ally higher than was experienced in any March rise since the first storage reservoir below Fort Peck became available in 1954. The average runoff for the past five years has been less than three-fourths of nor-

al. Fort Peck showed a gain in storage of 789,000 acre feet. An acre foot is the amount of water required to cover; one acre to a depth of one foot,

This improvement in main system storage to meet multiple-purpose requirements of the basin river control program is further illustrated by comparison with the situation a year ago on March 31; when 2,500,-000 f acre-feet less water was in storage. The current storage figure is about 8,000,000 acreffeet greater than was available two years ago

on March 21; the center reported.

The water storage situation is expected to be an important item of discussion at the public meeting scheduled by the coordinating committee on main stem. Missouri river reservoir operations to be held April 30 in Omaha, All persons desiring to express their views on operating schedules for the main stem reser-voirs have been invited to attend.

Beginning on March 26 releases were gradually increased so as to bring flows at Sloux City, Iowa, to

Start Slated On Glendive Flood Control

WASHINGTON; (AP) - Work on a Yellowstone River flood control project at West Glendive, Mont. where hundreds of Atfaller housed families were forced away recently by high water, will begin early next month. announced that a \$164,830 contract

for the local project was awarded to Gus M. Albert and L. P. Anderson of Miles City Mont.

They will start work about Moy 7, and are to confider the project by Nov. 15. Self Mike Mansfield

Hearing Slated

meets twice a year of the control of water in the reservoir, but all is a special session.

There have been complaints on the operations of the reservoir. At an earlier bearing complaints were

an earlier hearing complaints were aired.

"A second similar hearing will be held 'April' 500 The committee is all also meet; tigging to day a said, "I'd day to have some Yeresentative riters from Montania Wel, have fovering of the form the day of the fovering of the form about, the fovering of the form and fine day of the form and fine the day of the fovering of the form and fine the fovering from the fovering from the form and fine the fovering from the form and fine the fovering from the form and fine the form and fine the fovering from the form and fine the fine the form and fine the form and fine the form and fine the fin

rnent and succession of power from Fort Peckiell anyone washed, to be heard on these or pither complaints; they should attend this life in Bick will be attending a Commission in River Compact Commission in Portland, Ore RMay L and 2:

tenter show that a total of: 217. 000,000 kilowatt hours of electricity was generated at the four main stem plants in March The peak coincidental power generation was 574,000 kilowatts between 11; a.m.

and 12 noon; on Monday, March 30. April: operations will continue to follow the 1958-59 plan approved by the coordinating committee. Gavins
Point releases are expected to be in
the 18-25,000 c.1.s. range as necessary to provide seasonal minimum. flow requirements downstream. The Gavins Point pool will be lowered gradually so as to reach the springgradually so as to reach the spring-summer, base of 1 flood control at elevation 12045 msl., by April 15. Port: Randall releases will, be ad-justed, so as to back any Gayina Point, with the pool fluctuation HELLE (AR) State Engineer
Fred E. Buck Thirtsday said Deptuty State Engineer Summer Heddel
will represent Momana at an April
30 Omain Spulice Hearing on Missouri Rivel College Committee of
the Missouri River Mainstein Reservoir Operation Secondary Security Contents
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As a result of the first near normal March runoff from the northmal March runoff from the northmal March runoff from the northmal March snows and rains brought flows below Kansas City to mod high record storage of water in the main stem Missouri river reservoirs was achieved on March 31, the Missouri river reservoir control center at Omaha reported.

20 on that date combined storage in this four operating main stem dams stood at 24,095,000 acre feet. The previous high total, 24,033,000; was established in July, 1955, after most of the seasonal mountain snow melt runoff had been accounted for. This year's mountain snow melt syet to come.

During March, 1959, water storage in low below Kansas city to mode the river on March four operating main stem dams stood at 24,095,000 acre feet, and the four operating power plants in March 1959, water storage in the seasonal mountain snow melt runoff had been accounted for. This year's mountain snow melt is yet to come.

During March, 1959, water storage in the main stem system gained about 3,000,000 acre feet, substanting the mounts of the reservoir control center of the reservoir center of the reservoir center of the reservoir center of the reservoir center

In Flood Control Project Pla

New and relocated project of control Project Pla

New and relocated project of control Project Place of financial by general controls of animal release of the project of the first project o

### Gurrison Lugineer Lo Sp**ea**lt Wednesday

ded community of the (Harrison and Others interested in the social and others interested in the Harrison and Content in attending this need district with the Children and Arisins of the Harrison and Content in a social and the Wednesda (F. Harrison and Harrison and Children and

Comment togrede's talk will include speciences in engineering and action in Korea where lie diserved as assistant district

pred Price) Society Drogram half announced that Colonel for that you be preceded by the state have beginning at 8 a com of the base alguming at is on a side in solid a social nour and dinner at the base dinner that in completion in the base dinner that in completion in the control of the society of

fordsy said. Others interested in the soci-

banks at West Glendive, unincost plorated community just west of the Dawson County seat of Glendive. This caused hundreds of trailers belonging to oil Workers and their families to be evacuated from the lowland area.

von va. and of MeArmy's Con-naind and General Staff Sules at Pits Leavenworth, Edit, He is is maker, parachutist, baying served recognity with largeries until dulin ww.II

### Flood Could Bring Havoc To Sheridan

does not fill creek channels, Only a rain of an inch or two would be necessary to make the hezard a serious reality. Only a little could send water Booding into residential and business areas. Con-1 5 bridges are expensive items. addering development in these sections over the sewye can brag all we want about our beautiful years, damage would amount to considerably more dollar wise than any reported in the past. And it wouldn't take a major flood of disaster it . we could say with all honesty, "Look at our beauti-· 5,· proportions.

Any community in this situation long ago should have been a lot more concerned about Good (control. It should be particularly hesitant and particulary thoughtful now about dumping such a suggestion. It should consider the hazards inoroughly.

thoroughly.

A petition has been given city councilmen asking m) to forget the currently proposed project. But we would petition the city council; not to for-

In the first place Sheridan can not safely be against flood protection of some kind. Whether, not past damage figures are exaggerated, or project estimates are open to question, the spord belows Sheridan has had floods. To date tolking of consequence has been done to insure against? repeat performances.

Up to this time there has been no flood control project proposed by any group within the bond in finding will be needed and a hundred other details mainly by local government, or by an other gov. which can arise as a project or this kind process entire the city has made. But flood control is important. It is certainly not move because it could not design and finance subsecondary item, and it certainly deserves an adequate flood protection program a Obviously a sphalderation over and above other municipals. the only way Sheridan will get adequate flood protection is with the help of federal funds hose native federal funds provided by those native federal funds provided by the federal funds provided by those native federal funds provided by the federal funds provided by those native federal funds provided by the federal funds

which meets the requirements of adequacy and the Look at all these things, and then see how easy the control of the control of

posed flood protection plan more attractive. In the first unit, with the channel being run through the mill race, future rebuilding and future maintenance of three bridges will be eliminted. And

streams, but there are sections that look like the city dump. Flood control would clean these up and ful streams. Inthe 18 2

With only the completion of the first unit, extension of Brooks street clear through would become possible. And along with it development of additional real estate.

Everyday someone complains, because Sheridan does not have enough payrolls. Here is a payroll. Here is a benefit to the local economy just as \$3,000,000 worth of interstate highway, is is a pay-

And there will be other benefits not now visible. Certainly, there are going to be some sacrifices, But at no time do we build anything without sacrilice of the second seco

1 One of the present concerns is whether or not other municipal services will be sacrified to the flood control program. We doubt if there is an answer to this. Too much depends on too many things such as right-of-way costs, the rate at which

vices, And besides, floods have been known the only way Sheridan will get; adequate flood \_ vices, And/besides, floods, have been floover the protection is with the help of federal funds have a state of streets; and other city tactifies in the left of the city council is similar to be sent and for the city council is similar payers, ta great many of whom live in Sheridan, set our petition to the city council is similar flood. The Army engineers have designed what they been flooding and there is no guarantie flood feel is an adequate and feasible project. It main the light council is the city council is the flood drawback is it's the only project. It's easy to snipe the council is the city council is the city council is the city of council is the city of city and council is the city of city of city and city and case to be continuously that is not continuously the continuously that is not continuou

it is to forget flood control, which is to forget flood control.

anned at Lovell WASHINGTON (AP) - Improve ment work is to begin about May 4 on banks of the Shoshone River at Lovell, Wyo., Rep. Keith Thoma



### Facts Presented Lions

The first installment of a two council to approve a bond part discussion on the proposed for bridges, street relocations

benefits: to the cityl Cole stated nood protection offers imminent

part discussion on the proposed on bridges, street relocations for bridges, street relocations benefits to the city Cole stated field protection, offers, immunity fellef from the necessity of the protection of the necessity of the

at \$100,000 of more: 12.7 14.7 15. Channel brianges would eliminate the Dow; Alger and Getterson street bridges and will be must the extension the bridges and will be the extension the bridges and will be the construction of the bridges and could would give the city four north-south streets instead of the present two (Main and Broadway) and yould facilitate movement of and would facilitate movement of Wright displayed maps of the project, area, explaining char

nels; t levees and bridges. The Army plans call for a channel carrying 9,300 cubic feet a second at the north edge of Sheridan or more than the 7,500 cubic feet be second of the great 1923 floods City Manager Cole said the city can i mance its said the city

the trenches and placing riprer Completion is due July 2

Befinett Andistries A land of tany III; Md. 18 000, "Physiological specifies (delivery) on some tangent of the Blds, were topened (in the left-neers' district office here." (38.8)

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